

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1600RXA

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 SEP 09 ACD predicted properties enhanced in REGISTRY/ZREGISTRY
NEWS 4 OCT 03 MATHDI removed from STN
NEWS 5 OCT 04 CA/Caplus-Canadian Intellectual Property Office (CIPO) added
to core patent offices
NEWS 6 OCT 13 New CAS Information Use Policies Effective October 17, 2005
NEWS 7 OCT 17 STN(R) AnaVist(TM), Version 1.01, allows the export/download
of Caplus documents for use in third-party analysis and
visualization tools
NEWS 8 OCT 27 Free KWIC format extended in full-text databases
NEWS 9 OCT 27 DIOGENES content streamlined
NEWS 10 OCT 27 EPFULL enhanced with additional content
NEWS 11 NOV 14 CA/Caplus - Expanded coverage of German academic research

NEWS EXPRESS NOVEMBER 18 CURRENT VERSION FOR WINDOWS IS V8.01,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005.
V8.0 USERS CAN OBTAIN THE UPGRADE TO V8.01 AT
<http://download.cas.org/express/v8.0-Discover/>

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

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result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 07:53:03 ON 23 NOV 2005

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 07:53:12 ON 23 NOV 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 22 NOV 2005 HIGHEST RN 868656-94-4
DICTIONARY FILE UPDATES: 22 NOV 2005 HIGHEST RN 868656-94-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

```
*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
*****
```

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\QUERIES\10662833.str

```
chain nodes :
7 8 10 11 12 13 14
ring nodes :
1 2 3 4 5 6
chain bonds :
1-7 2-8 5-10 7-12 8-11 10-13 10-14 14-17
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
1-7 2-8 5-10 7-12 8-11 10-13
exact bonds :
10-14 14-17
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 :
```

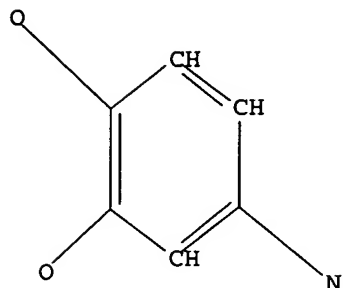
Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 07:53:26 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 6551 TO ITERATE

30.5% PROCESSED 2000 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 126168 TO 135872
PROJECTED ANSWERS: 13235 TO 16505

L2 50 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 07:53:30 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 131623 TO ITERATE

100.0% PROCESSED 131623 ITERATIONS 14295 ANSWERS
SEARCH TIME: 00.00.01

L3 14295 SEA SSS FUL L1

=>

Uploading C:\Program Files\Stnexp\Queries\QUERIES\10662833.str

chain nodes :
7 8 10 11 12 13 14
ring nodes :
1 2 3 4 5 6
chain bonds :
1-7 2-8 5-10 7-12 8-11 10-13 10-14 14-17
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
1-7 2-8 5-10 7-12 8-11 10-13
exact bonds :
10-14 14-17
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 :

Match level :

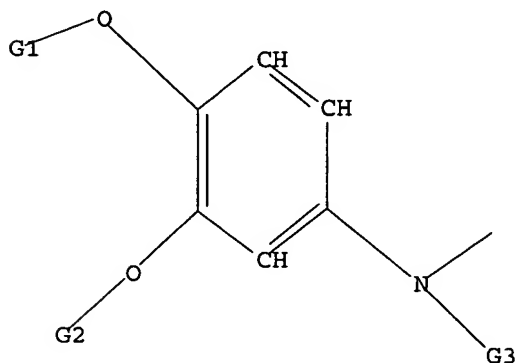
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS

L4 STRUCTURE UPLOADED

=> d

L4 HAS NO ANSWERS

L4 STR



G1 C,H

G2 C,H_y

G3 H,C_y

Structure attributes must be viewed using STN Express query preparation.

=> s l4 subset=l3 full

FULL SUBSET SEARCH INITIATED 07:56:46 FILE 'REGISTRY'

FULL SUBSET SCREEN SEARCH COMPLETED - 11648 TO ITERATE

100.0% PROCESSED 11648 ITERATIONS

7035 ANSWERS

SEARCH TIME: 00.00.01

L5 7035 SEA SUB=L3 SSS FUL L4

=>

Uploading C:\Program Files\Stnexp\Queries\QUERIES\10662833.str

chain nodes :

7 8 10 11 12 13 14

ring nodes :

1 2 3 4 5 6

chain bonds :

1-7 2-8 5-10 7-12 8-11 10-13 10-14 14-17

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

1-7 2-8 5-10 7-12 8-11 10-13

exact bonds :

10-14 14-17

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

Match level :

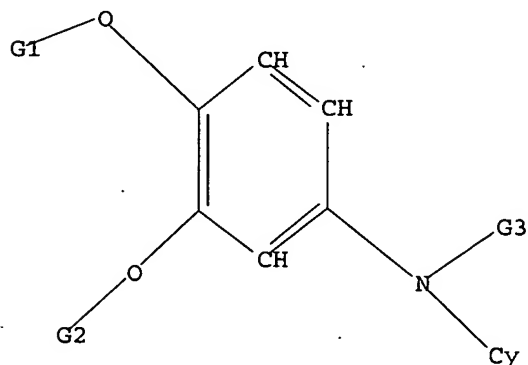
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS

L6 STRUCTURE UPLOADED

=> d

L6 HAS NO ANSWERS

L6 STR



G1 C,H

G2 C,H_y

G3 H,A_k

Structure attributes must be viewed using STN Express query preparation.

=> s l6 subset-l3 full

COMBINATION OF STRUCTURE AND TEXT TERMS NOT VALID

The query entered contains both search terms created by structure-building or screen commands and text search terms. L#s created via the STRUCTURE or SCREEN commands must be searched in the structures files separately from text terms or profiles. The L# answer sets from structure searches can be used in crossover searches and can be combined with text terms.

=> s l6 subset=l3 full

FULL SUBSET SEARCH INITIATED 07:57:18 FILE 'REGISTRY'

FULL SUBSET SCREEN SEARCH COMPLETED - 14295 TO ITERATE

100.0% PROCESSED 14295 ITERATIONS

1903 ANSWERS

SEARCH TIME: 00.00.01

L7 1903 SEA SUB=L3 SSS FUL L6

=> s l5 and caplus/lc

48988102 CAPLUS/LC

L8 3588 L5 AND CAPLUS/LC

=> s l7 and caplus/lc

48988102 CAPLUS/LC

L9 1564 L7 AND CAPLUS/LC

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE
ENTRY

TOTAL
SESSION

FULL ESTIMATED COST

249.21

249.42

FILE 'CAPLUS' ENTERED AT 07:57:40 ON 23 NOV 2005
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FILE COVERS 1907 - 23 Nov 2005 VOL 143 ISS 22
FILE LAST UPDATED: 22 Nov 2005 (20051122/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 18

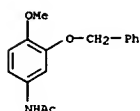
L10 1666 L8

=> s 19

L11 490 L9

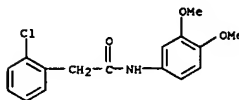
=> d ibib abs hitstr l10 1646-1666

L10 ANSWER 1646 OF 1666 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1931:37769 CAPLUS
 DOCUMENT NUMBER: 25:37769
 ORIGINAL REFERENCE NO.: 25:42491, 4250a-b
 TITLE: Hydroxy-carbonyl compounds. I. Synthesis of
 scopoletin
 AUTHOR(S): Head, Frank S. H.; Robertson, Alexander
 SOURCE: Journal of the Chemical Society, Abstracts (1931)
 CODEN: JCSAAZ; ISSN: 0590-9791
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB The direct synthesis of scopoletin (I) from 2,4-(HO)2C6H3OMe (II) is reported. Reduction of 4,2-O2N(PhCH2O)C6H3OMe with Na2S gives 2-benzoyloxy-p-anisidine, m. 100-1°; FeCl3 gives a pale green color, rapidly changing to purple and finally to blue; Ac derivative, m. 135°. Decomposition of the corresponding diazonium sulfate results in simultaneous debenzoylation, and only a small amount of highly impure II is obtained. 5-Amino-2-methoxyphenyl p-toluenesulfonate, m. 151°, results from the NO2 derivative with SnCl2 and HCl-AcOH; FeCl3 gives a reddish brown color, changing to a wine-red on dilution with water; Ac derivative, m. 138-9°; the sulfate, diazotized and heated with CuSO4 in water, gives the 5-HO derivative, yellow, m. 124°; FeCl3 gives a pale green color; refluxing with 12% aqueous KOH for 4 hrs. gives II, m. 72°. II and HCl with Zn(CN)2 and HCl yield 2,4-dihydroxy-5-methoxybenzaldehyde, straw-colored, m. 152°; FeCl3 gives a dark green color; diacetate, m. 119°; the orientation follows its methylation to asarylaldehyde. Vigorous acetylation gives 7-acetoxy-6-methoxycoumarin, m. 177°; hydrolysis gives I, m. 204°.
 IT 861086-44-6, Acetanilide, 3-(benzyloxy)-4-methoxy-
 (preparation of)
 RN 861086-44-4 CAPLUS
 CN Acetanilide, 3-(benzyloxy)-4-methoxy- (3CI) (CA INDEX NAME)

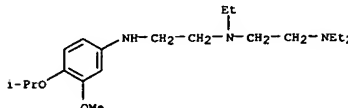


L10 ANSWER 1647 OF 1666 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

L10 ANSWER 1647 OF 1666 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1931:24410 CAPLUS
 DOCUMENT NUMBER: 25:24410
 ORIGINAL REFERENCE NO.: 25:2713h-i, 2714a-b
 TITLE: Mixed benzoin. III. The structure of some unsymmetrically substituted desoxybenzoins
 AUTHOR(S): Buck, Johannes S.; Ide, Walter S.
 SOURCE: Journal of the American Chemical Society (1931), 53, 1536-42
 CODEN: JACSAT; ISSN: 0002-7863
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB cf. C. A. 24, 5748. The Beckmann transformation has been used to determine the structures of certain unsym. substituted desoxybenzoins and to assign configurations to the oximes derived from them. Desoxy compds. of the mixed benzoin type formed from the following pairs of aldehydes were investigated: o-ClC6H4CHO and veratric aldehyde (I), p-MeOC6H4CHO (II), p-Me2NC6H4CHO (III), piperonal (IV), BzH and p-MeOC6H4CHO (V), piperonal (VI) and p-Me2NC6H4CHO (VII). Reduction of I gives ClC6H4CH2COC6H3(OMe)2, whose anti-oxime m. 137° (64% yield) and yields on the Beckmann rearrangement 1-chlorophenylacet-3,4-dimethoxyanilide, m. 177°; this was also synthesized by heating the acid and amine at 180-200° for 2 h. II gives ClC6H4CH2COC6H4OMe on reduction, whose anti-oxime m. 97° (86% yield); rearrangement gives 1-chlorophenylacetanilide, m. 163°. Reduction of III gives 1-chlorobenzyl 4-dimethylaminophenyl ketone, m. 122°; anti-oxime, m. 173°; rearrangement gives 1-chlorophenylacet-4-dimethylaminoanilide, m. 165°, also synthesized by the Schotten-Baumann reaction. IV gives 1-chlorobenzyl 3,4-methylenedioxyphenyl ketone, m. 105°; anti-oxime, m. 120° (42% yield); rearrangement gives 1-chlorophenylacet-3,4-methylenedioxyanilide, buff, m. 175°. V gives 4-MeOC6H4CH2COPh; anti-oxime, m. 133° (23% yield); rearrangement gives 4-methoxyphenylacetanilide, m. 113°. syn-oxime, m. 94° (19% yield); rearrangement gives 4-MeOC6H4CH2NHbz, m. 96°. PhCH2COC1 and PhOMe give benzyl 4-methoxyphenyl ketone, m. 73°; anti-oxime, m. 114° (94% yield); rearrangement gives phenylacetanilide, m. 121°. Reduction of VI gives 64% of benzyl 3,4-methylenedioxyphenyl ketone, m. 86°; anti-oxime, m. 103° (60% yield); rearrangement gives phenylacet-3,4-methylenedioxyanilide, buff, m. 146°. Reduction of VII gives PhCH2COC6H4NMe2; the anti-oxime gives on rearrangement phenylacet-4-dimethylaminoanilide, cream, m. 144°. The above results support the view that the transformation takes place between the vicinal groups of the oximes.
 IT 848228-24-0, α-Toluanilide, 2-chloro-3',4'-dimethoxy-
 (preparation of)
 RN 848228-24-0 CAPLUS
 CN Benzeneacetamide, 2-chloro-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)



L10 ANSWER 1648 OF 1666 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1931:19270 CAPLUS
 DOCUMENT NUMBER: 25:19270
 ORIGINAL REFERENCE NO.: 25:2154g-1
 TITLE: N-Substituted derivatives of aromatic aminohydroxy and polyamino compounds
 PATENT ASSIGNEE(S): I. G. Farbenindustrie AG
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:
 PATENT NO. KIND DATE APPLICATION NO. DATE
 DE 514747 19270618 DE
 AB Addition to 499,826. The methods of 499,826 (C. A. 24, 4521) and 512,406 (C. A. 25, 1036) for producing N-substituted amines of aromatic aminohydroxy and polyamino compds. are modified by replacing the aliphatic, heterocyclic and hydroaromatic linked N, by N in the form of alkylaminoalkyl compds. containing two or more N atoms capable of conversion into strongly basic polyamino compds. Thus, 1-amino-3-methoxy-4-isopropoxybenzene and the dihydrochloride of ethyldiethylaminoethylaminoethyl chloride are fused together at 100-110° for 8 hrs. to give the base 3-MeO-4-iso-PrOC6H3NHCH2CH2NHC6H4CH2CH2NET2. Other examples are given.
 IT 860586-44-3, Aniline, N-[β-(β-diethylaminoethyl)ethylamino]ethyl-4-isopropoxy-3-methoxy-
 (preparation of)
 RN 860586-44-3 CAPLUS
 CN Aniline, N-[β-(β-diethylaminoethyl)ethylamino]ethyl-4-isopropoxy-3-methoxy- (3CI) (CA INDEX NAME)



L10 ANSWER 1649 OF 1666 CAPLUS COPYRIGHT 2005 ACS ON STN
 ACCESSION NUMBER: 1930:31064 CAPLUS
 DOCUMENT NUMBER: 24:31064
 ORIGINAL REFERENCE NO.: 24:3327a-d
 TITLE: Aminoalkylamino derivatives of aromatic aminohydroxy or polyamino compounds
 INVENTOR(S): Schlemann, Werner; Kropp, Walter
 PATENT ASSIGNEE(S): Winthrop Chemical Co.
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 1757394		19300506	US	

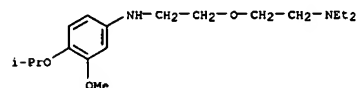
AB Comps. generally in the nature of viscous oils, forming readily soluble hydrochlorides and suitable for therapeutic purposes in combating blood parasites are obtained by heating aromatic aminohydroxy or polyamino comds. of the benzene or naphthalene series with a haloalkylaminodialkyl compound (suitably in the presence of an acid-binding agent and a solvent or

diluent) or by causing aromatic aminohydroxy or polyamino comds. of the benzene or naphthalene series to be acted on by ethylene oxide or a halogenated alc. and converting the hydroxyalkylamino derivs. thus obtained into the dialkylaminoalkyl comds. Numerous details and examples are given, including the production of: 3-hydroxy-1-(diethylaminoethylamino)benzene, b1.5 171'; 3-hydroxy-1-(diethylaminoethyl)ethylamino)benzene, m. 50' and b2 175'; 1-hydroxy-3-[(diethylaminoethyl)methylamino]benzene, b0.5 151'; 1-(diethylaminoethylamino)-3,4-diethoxybenzene, b2 185'; 1-amino-3-(diethylaminoethylamino)benzene b1 158'; 4-amino-[(diethylaminoethyl)methylamino]benzene, b3 161-3'; 1-amino-4-dimethylamino-2-methylthiophenol, b3 135'; 3-methoxy-4-isopropoxy-1-N-(α -piperidyl- β -hydroxy- γ -propyl)aminobenzene, prepared by heating 3-methoxy-4-isopropoxy-1-aminobenzene (m. 68-69'), with epichlorohydrin and piperidine, m. 92-4' and b5 225-30'; 3-methoxy-4-isopropoxy-1-(β -diethylaminoethylmercaptoethylamino)benzene, prepared by treating 3-methoxy-4-isopropoxy-1-aminobenzene with (C2H5)2NCH2CH2SCH2CH2Cl (hydrochloride), is a viscous oil, b5 225-7'; 3-methoxy-4-isopropoxy-1-(β -diethylaminoethoxyethylamino)benzene, b1.5 186-8', is obtained by heating 3-methoxy-4-isopropoxy-1-aminobenzene with the hydrochloride of (C2H5)2NCH2CH2OCH2CH2Cl (b5 72-3'); 3-methoxy-4-isopropoxy-1-N-(β -dimethylamino- β' -ethoxyisopropylamino)benzene, b1 166-8', obtained by treating 3-methoxy-4-isopropoxy-1-aminobenzene with the hydrochloride of (CH3)2NCH2CH2OCH2CH2Cl (b15 69-70'); 3-methoxy-4-isopropoxy-1-(1'-dimethylamino-2'-cyclohexylamino)benzene, b2 173-5' formed by heating of 3-methoxy-4-isopropoxy-1-aminobenzene with 1-chloro-2-dimethylaminocyclohexane (b10 77-9').

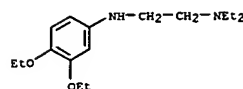
IT 857787-33-8, Ethylenediamine, N'-(3,4-diethoxyphenyl)-N,N-diethyl-858444-50-5, 1-Piperidineethanol, α -[(4-isopropoxy-m-anisylamino)methyl]-1,2-Propanediamine, 3-ethoxy-N2-(4-isopropoxy-m-anisyl)-N1,N1-dimethyl-860586-40-9, Aniline, N-[β -(β -diethylaminoethyl)mercaptoethyl]-4-isopropoxy-3-methoxy-860735-70-2, Aniline, N-[β -(β -diethylaminoethoxy)ethyl]-4-isopropoxy-3-methoxy-(preparation of)

RN 857787-33-8 CAPLUS

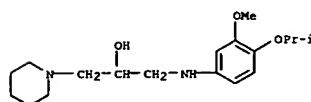
L10 ANSWER 1649 OF 1666 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



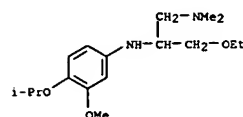
L10 ANSWER 1649 OF 1666 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
 CN Ethylenediamine, N'-(3,4-diethoxyphenyl)-N,N-diethyl- (3CI) (CA INDEX NAME)



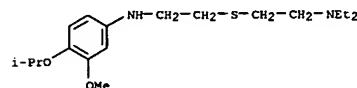
RN 858444-50-5 CAPLUS
 CN 1-Piperidineethanol, α -[(4-isopropoxy-m-anisylamino)methyl]- (3CI) (CA INDEX NAME)



RN 858445-44-0 CAPLUS
 CN 1,2-Propanediamine, 3-ethoxy-N2-(4-isopropoxy-m-anisyl)-N1,N1-dimethyl- (3CI) (CA INDEX NAME)



RN 860586-40-9 CAPLUS
 CN Aniline, N-[β -(β -diethylaminoethyl)mercaptoethyl]-4-isopropoxy-3-methoxy- (3CI) (CA INDEX NAME)



RN 860735-70-2 CAPLUS
 CN Aniline, N-[β -(β -diethylaminoethoxy)ethyl]-4-isopropoxy-3-methoxy- (3CI) (CA INDEX NAME)

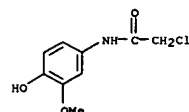
L10 ANSWER 1650 OF 1666 CAPLUS COPYRIGHT 2005 ACS ON STN

ACCESSION NUMBER: 1930:28333 CAPLUS
 DOCUMENT NUMBER: 24:28333
 ORIGINAL REFERENCE NO.: 24:2997b-e
 TITLE: Aromatic amides of N-arylglycinearsonic acids
 AUTHOR(S): Raiziss, Geo. W.; Clemence, Le Roy W.
 SOURCE: Journal of the American Chemical Society (1930), 52, 2019-23
 CODEN: JACSAT; ISSN: 0002-7863

DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB The following ClCH2CO derivs. were prepared by slowly adding ClCH2COCl to a

cold aqueous solution or suspension of the NH2 compound or its HCl salt. 4-chloroacetylaminobenzoic acid, m. 248'; 2-chloroacetyl-4-nitrotoluidine, m. 151'; 5-chloroacetylaminosalicylic acid, m. 242-4'; chloroacetylaminopiperidine, m. 187'; chloroacetylacridine, m. 215-20' (decomposition); 4-chloroacetylaminoguaiacol, m. 117'. The following amides were prepared from the arsanilic acid in N NaOH and the ClCH2CO derivative; the time of refluxing is 5-6 hrs. N-[Phenyl-4-arsonic acid]-glycyl-4'-aminobenzoic acid, darkens 230'; m. 260-5' (decomposition); N-[phenyl-2-methyl-4-arsonic acid]-glycine-2'-toluide, m. 246' (decomposition); N-[phenyl-4-arsonic acid]-glycine-4'-nitro-o'-toluide, m. 115-20' (decomposition); N-[phenyl-4-arsonic acid]-glycylaminoantipyrine, m. 270' (decomposition); N-[phenyl-4-arsonic acid]-glycyl-4'-aminoguaiacol, m. 215-7'. The following were prepared with the omission of the alkali; the yields in both cases range from 25-40% based on the ClCH2CO compound N-[Phenyl-2-methyl-4-arsonic acid]-glycyl-4'-aminobenzoic acid, decomp. on heating; N-[phenyl-2-methyl-4-arsonic acid]-glycineanilide, m. above 275'; N-[phenyl-2-methyl-4-arsonic acid]-glycine-4'-nitro-o'-toluide, m. 285-6' (decomposition); p'-aminoacetanilide; 5'-aminosalicylic acid, m. 240-5' (decomposition); p'-naphthylamide, m. 260-2' (decomposition); α '-naphthylamide, m. 254-5' (decomposition); piperidine; benzylamide, m. above 275'; anthranilic acid; N-[phenyl-4-arsonic acid]-glycyl-5'-aminosalicylic acid, m. 230-5' (decomposition); acriflavine, does not m. 300'. While some of the preps. were of low toxicity, their therapeutic effect was also low.

IT 17640-79-8, m-Acetanilide, α -chloro-4-hydroxy-(preparation of)
 RN 17640-79-8 CAPLUS
 CN Acetanilide, 2-chloro-N-(4-hydroxy-3-methoxyphenyl)- (9CI) (CA INDEX NAME)



ACCESSION NUMBER: 1929:45070 CAPLUS
 DOCUMENT NUMBER: 23:45070
 ORIGINAL REFERENCE NO.: 23:5174a-e
 TITLE: Nitroveratroles
 AUTHOR(S): Vermeulen, H.
 SOURCE: Recueil des Travaux Chimiques des Pays-Bas et de la Belgique (1929), 48, 969-72
 CODEN: RTCPB4; ISSN: 0370-7539
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable

AB The nitration of 4-nitroveratrole (5 g.) with 17 cc. HNO₃ (d. 1.51) gives 4,5-dinitroveratrole, m. 130-1°, in theoretical yield provided the nitration be carried out at 0°; at room temperature a small quantity of 3,4,5-trinitroveratrole is formed at the same time. On dissolving 4-nitroveratrole in HNO₃ (d. 1.43) a compound, m. 102°, is obtained, which, according to Pschorr and Silberbach (Ber. 37, 2151(1904); cf. Rec. trav. chim. 25, 25 (1906)) consists of 4-nitroveratrole. On nitration with a mixture of HNO₃ (d. 1.5) and concentrated H₂SO₄ this compound is converted into 3,4,5-trinitroveratrole, m. 145°, and as its N content lies between the N content of a mono- and a dinitroveratrole, the substance m. 102° probably consists of a mixture or compound of 4-nitro- and 4,5-dinitroveratrole. Moreover, a mixture of 4 parts 4-nitroveratrole and 5 parts 4,5-dinitroveratrole gives on crystallization from alc. the same mol.

compound, m. 102°. Thus it appears that the 4-nitroveratrole of P. and S., m. 102°, consists of a mixture of the 4-nitro- and the 4,5-dinitro compds. The reduction of 4-nitroveratrole with SnCl₂ gives 4-aminoveratrole 97-8° acetylation of this compound yielding 4-acetamidoveratrole m. 130° (Farther, C. A. 14, 2917 gives 136°). The nitration of 4-acetamidoveratrole in AcOH with HNO₃ (d. 1.40) gives 4-acetamido-5-nitroveratrole m. 197°, the structure being proved by the formation of 4-nitroveratrole on eliminating the HAc group. The same compound may be obtained from 4,5-dinitroveratrole by reduction with SnCl₂ to 4-amino-5-nitroveratrole, m. 169-70°, followed by acetylation. On nitrating 3-nitroveratrole with HNO₃ (d.

1.5) a mixture of di- and trinitroveratroles is obtained, which may be separated by crystallization from AcOEt into 3,4,5-trinitroveratrole, m. 145°, a dinitroveratrole, m. 101°, and 3,4-dinitroveratrole, m. 90° (cf. Jones and Robinson, C. A. 12, 135; Pollecoff and R., C. A. 12, 2314; Oxford, C. A. 21, 376). On reduction with SnCl₂, 3-nitroveratrole gives an oily amino compound which on acetylation passes into 3-acetamidoveratrole, m. 84°. The nitration of the latter compound with HNO₃ (d. 1.45) gives 3-acetamido-5-nitroveratrole, m. 173°, and a small amount of 3-acetamido-4,5-dinitroveratrole, m. 240°. Reduction of 3,5-dinitroveratrole with SnCl₂ yields 3-amino-5-nitroveratrole, m. 107°, which on acetylation yields the 3-acetamido-5-nitro compound described above.

IT 881-70-9, Acetanilide, 3,4-dimethoxy-
 (preparation of)
 RN 881-70-9 CAPLUS
 CH Acetamide, N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)

ACCESSION NUMBER: 1929:31229 CAPLUS
 DOCUMENT NUMBER: 23:31229
 ORIGINAL REFERENCE NO.: 23:3677b-e
 TITLE: 3,4-Methylenedioxyphenylarsonic acid
 AUTHOR(S): Balaban, Isidore E.
 SOURCE: Journal of the Chemical Society, Abstracts (1929) 1088-93
 CODEN: JCSAAZ; ISSN: 0590-9791
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 OTHER SOURCE(S): CASREACT 23:31229

AB These derivs. were prepared in the hope of obtaining 3,4-(HO)2C5H3AsO3H₂ by a convenient manner. 3,4-CH₂(O)2C6H3NH₂, through the diazo reaction, gives 41.7% of 3,4-methylenedioxyphenylarsonic acid (I), crystallizing with 0.75 mol.

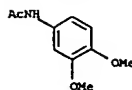
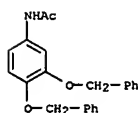
H₂O, decamps. 270°; Ca and Ba salts, crystalline; Mg salt, amorphous. Attempts to open the CH₂O ring by SOCl₂ H₂SO₄ and a phenol or AlCl₃ in PhCl failed. Reduction of I gives 65% of arsenopyrocatechol methylene ether, pale yellow, amorphous powder. Nitration of I at 0° gives 59.5% of the 6-NO₃ derivative (II), bright yellow, m. 231° (decomposition).

(also obtained from 5,3,4-O₂N(CH₂O)2C6H2NH₂ in 36.9% yield); heating with NaOH gives a blood-red color; reduction of II gives the 6-NH₂ derivative (III), needles, soluble in 80% HCO₂H, diazotizes normally and on

reduction gives 6,6'-diaminoarsenopyrocatechol methylene ether, bright yellow, amorphous. Ac derivative of III, prisms. 4-Nitro-1,2-di-acetoxybenzene, m.

98°; 4-NH₂ derivative, m. 114° (41.8% yield); while this diazotizes normally, no arsonic acid could be isolated, 4-Nitropyrocatechol dibenzyl ether, m. 97° (48.7% yield); 4-NH₂ derivative, m. 92° (50% yield); Ac derivative, m. 150°; again no arsonic acid could be isolated through the diazo reaction. Toxicity data are given.

IT 18002-45-4, Acetanilide, 3,4-bis(benzyloxy)-
 (preparation of)
 RN 18002-45-4 CAPLUS
 CH Acetanilide, 3',4'-bis(benzyloxy)- (8CI) (CA INDEX NAME)



ACCESSION NUMBER: 1929:29312 CAPLUS
 DOCUMENT NUMBER: 23:29312
 ORIGINAL REFERENCE NO.: 23:3467e-i,3468a-f
 TITLE: Thianthrene. III
 AUTHOR(S): Fries, K.; Koch, H.; Stukenbrock, H.
 SOURCE: Ann. (1929), 468, 162-201
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable

AB cf. C. A. 9, 785. Reduction of 18 g. 4-nitroveratrole by 68 g. SnCl₂ in concentrated HCl gives 80% of the 4-NH₂ derivative, m. 85°; Ac derivative (I), m.

135°. I (19.5 g.) in 200 cc. hot PhMe, treated with 11 g. P₂S₅ and 11 g. K₂S and boiled 1 hr., gives 55% of 4,5-dimethoxythioacetanilide, yellow, m. 114°, which gives with K₃Fe(CN)₆ in 2 N NaOH 40% of 2-methyl-5,6-dimethoxy[4',5'-benzothiazole], m. 75°, b₁₄ 184°; heating with KOH and abs EtOH 30 hrs. at 100° (sealed tube) gives the salt of 4,5-dimethoxy-2-aminophenyl mercaptan, which was not purified but treated with NaNO₂ giving 35-40% of 5,6-dimethoxy[phenylenediazosulfide], m. 138°; this decomps. at 160-90°, splitting off N and giving 2,3,6,7-tetramethoxythianthrene (II), m. 176° (the yield is always small). Reduction of veratrolesulfonylchloride with Zn and HCl gives 70-80% of 4,5-dimethoxyphenyl mercaptan (III), b₁₄ 138°. H₂O₂ and III in EtOH give di[4,5-dimethoxyphenyl] disulfide, yellow, m. 89°.

Oxidation of III with concentrated H₂SO₄ gives 30% II. HNO₃ (d. 1.2) and II in AcOH give the monosulfonide. (IV). m. 196°; concentrated H₂SO₄ gives a blue color, changing to green on heating. HNO₃ (d. 1.4) and II in AcOH give the disulfonide (V), m. 259°, soluble in concentrated H₂SO₄ with a

blue color and reduced by HBr-AcOH in the presence of NaHSO₃ to II. The hot solution of II in AcOH, diluted with H₂O so that all the II remains in solution and treated with Cl for 2 mins., gives the sulfone sulfonide (VI), m. 275°; concentrated H₂SO₄ gives a deep blue solution, soon changing to red;

H₂O ppts. a bright red precipitate, from which CCl₄ exts. the monosulfone, m.

251°; reduction with NaHSO₃ in AcOH gives the tri-Me ether of the tetrahydroxythianthrene sulfone sulfonide, m. 270°. VI also results upon oxidation of II with H₂O₂, and by the oxidation of the monosulfone with concentrated HNO₃. Boiling II in AcOH with H₂O₂ 1 hr. gives

the disulfone (VII), in 296°, this is not reduced by HBr in AcOH. Heating 4 g. VII with 20 g. KOH and 20 cc. absolute EtOH 3 hrs. gives 4,5-dimethoxy-2-ethoxyphenylsulfonic acid, sinters 75°, m. 118-20° (decomposed), which is reduced by HBr-AcOH to 3,4,3',4'-tetramethoxy-5,5'-diethoxy-1,1'-diphenyl disulfide, m. 84°. The following merquinoind dithionium salts of II were prepared: Sulfate, blue needles, m. 230-2° (decomposition), from 1 part II and 50 volume-parts concentrated H₂SO₄ on standing 3 weeks; the blue H₂SO₄ or green HCO₂H

solution is stable on heating; reduction with SnCl₂ or HI gives II; hydrolysis by H₂O is not complete in 2 days; hydrolysis by 50% AcOH gives a mixture of II and sulfonide. Perchlorate, green, decomp. 245°; chloride, greenish blue, m. 164-6° (decomposition); perbromide, green, m. 220-2° (decomposition); this also results from IV or V and HBr-AcOH. Heating II with HI and AcOH gives about 60% of 9,8,6,7-tetrahydroxythianthrene (VIII), m. 273°; the concentrated H₂SO₄ solution is green, changing to blue; in the air VIII slowly turns blue; Ac derivative, m.

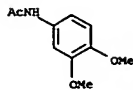
L10 ANSWER 1653 OF 1666 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 224°. H2O2 and VIII in AcOH give the compd. C12H20O4H2 (isomerized sulfoxide), deep blue, decomp. 200°; the soln. in concd. H2SO4 is greenish blue, in alkalies a dirty gray; reduction with SnCl2 in AcOH gives VIII. Acetylation of this compd., or oxidation of the Ac deriv. of VIII with dil. HNO3 gives tetraacetoxanthranthrene sulfoxide, m. 213°, sapond. to the deep blue compd. The monosulfone of VIII results from the tetra-Me deriv. and HI, carbonizes above 300°; tetra-Ac deriv., m. 203°. VII and HI give the disulfone, m. above 300°; m. 245°; Br in AcOH gives the 1,4,5-tri-Br deriv., m. above 340°, while excess of Br gives the 1,4,5,8-tetra-Br deriv., pale rose, m. above 350°; FeCl3 gives a blue color; the tetra-Ac deriv. decomp. at 300°. The following merquinoid dichloronium salts of VIII were prepd.: Sulfate, blue, unchanged at 330°; concd. HCl and HCO2H give deep blue solns., concd. H2SO4, a greenish blue color; HNO3 in AcOH gives a deep red soln. which remains on diln. with H2O; hydrolysis with H2O is incomplete after 2 weeks. Perchlorate, green, which explodes on heating; bromide, blue, m. 250° (decomp.); chloride, blue, decomp. 220°. II, moistened with AcOH, treated with HNO3 (d. 1.52) and heated until the soln. is dark red, gives 2,3,6,7-tetramethoxy-(7)-dinitrodiphenylenesulfone, pale green, m. 238°; this also results from VI or the monosulfone and HNO3 on standing 5 mins. 4-Bromo-5-nitroveratrole and Na2S in boiling EtOH give 4,5,4',5'-tetramethoxy-2,2'-dinitrodiphenyl 1,1'-sulfide, yellow, m. 209° (60% yield); reduction with SnCl2 and HCl gives the 2,2'-di-NH2 deriv., m. 110°. 4-Nitro-4'-methyldiphenyl sulfide-2-sulfonic acid (IX), light yellow, m. 123°; heating IX with HBr-AcOH a short time gives the compd. [p-MeC6H4SC4H3(NO2)S-12, yellow, m. 154° (60% yield); with concd. H2SO4 IX gives 3-nitro-6-methylthianthrene, golden yellow, m. 157°; concd. H2SO4 gives a deep red-violet soln. Reduction gives the 3-NH2 deriv., m. 130°, sol. in concd. H2SO4 with a red-violet color (Ac deriv., m. 180°, sol. in concd. H2SO4 with a dark violet color; allowed to stand in concd. H2SO4 48 hrs., there results the 2-sulfonic acid, carbonizes above 270° (Ba salt)). The Ac deriv. and concd. H2SO4 give the half quinoid sulfate, blue. 3-Nitro-6-aminothianthrene, dark red, m. 198°; Ac deriv., yellow, m. 205°; 3,6-diaminothianthrene, m. 192°; FeCl3 gives the blue compd., C12H12N2S2Cl. FeCl3 4-Nitro-3',4'-dimethoxydiphenyl sulfide-6-sulfonic acid, yellow, m. 131°. HBr-AcOH gives the compd. C15H24O3N2S4, red, m. 196°. Concd. H2SO4 gives 3-nitro-6,7-dimethoxythianthrene, yellow-red, m. 194°; 3-NH2 deriv., m. 149° (Ac deriv., m. 180°). 2,2'-Diamino-4,4'-dinitrodiphenyl sulfide, red, m. 211°; di-Ac deriv., light yellow, m. 245°. 4-Nitro-2-aminophenyl mercaptan, orange-yellow, m. 108°; 2,2'-diamino-4,4'-dinitrodiphenyl disulfide, citron-yellow, m. 178°; di-Ac deriv., m. 263°; di-Br deriv., citron-yellow, m. 225°. 2-Phenyl-5-nitrobenzothiazole, pale yellow, m. 193°.

IT 881-70-9, Acetanilide, 4,5-dimethoxy- 107963-01-9, Acetanilide, 4,5-dimethoxythio- (preparation of)

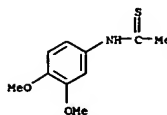
RN 881-70-9 CAPLUS

CN Acetamide, N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)

L10 ANSWER 1653 OF 1666 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 107963-01-9 CAPLUS
 CN Ethanethioamide, N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)



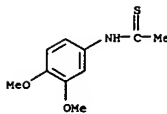
L10 ANSWER 1654 OF 1666 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1929:29311 CAPLUS
 DOCUMENT NUMBER: 23:29311
 ORIGINAL REFERENCE NO.: 23:3467a-e
 TITLE: Retene and some of its derivatives
 AUTHOR(S): Cheung, Li Man
 SOURCE: Bulletin de l'Institut du Pin (1929) 108-10
 CODEN: BPINAR; ISSN: 0366-2527
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable

AB The origin and properties of retene are briefly reviewed. Below 160° rosin combines with S to give a reddish resin with sulfurous odor, the amount of S entering into combination depending on the temperature, time of heating and proportion of S used: above 160° the rosin-S combination is decomposed with evolution of H2S and MeSH; at 240-50° the CO2H of the rosin is split off, and the action of S can be represented by the equation C20H30O2 + 5S = C15H16 + 4H2S + MeSH + CO2. On the assumption that rosin oil consists of octahydroretene, the action of S can be represented by the equation C18H25 + 4S = C16H18 + 4H2S. By the following method 41% of the theoretical yield of retene was obtained from rosin oil: to 800 g. of light-colored rosin oil at 200° gradually add in small successive portions 370 g. S with stirring; toward the end of the reaction (about 5 hrs.) raise the temperature to 250°; when evolution of gas has ceased, add 160 g. of Fe filings and distil under partial vacuum (60-80 mm.), most of the yellowish distillate (which consists of a mixture of rosin oil and crystallized retene) passing at 275-95°; extract the distillate with hot 95% EtOH; the residue from the extracted (280 g. of viscous oil) is treated with 10% of its weight of S, distilled and extracted with EtOH as above. The optimum proportion of S is 3-4 atoms per mol. of abietic acid in the case of rosin or of octahydroretene (in the case of rosin oil), S derivs. of retene and their decomposition products being obtained when the amount of S taken corresponds to that calculated from the equations given above. Stable S derivs. of retene are formed at the distillation temperature, and the best results were given by Fe filings for decomposing them, the yield of retene obtained with S alone or with CaO as desulfurizing agent being much lower than with Fe filings. Attempts to extract the retene from the reaction products without vacuum distillation were unsuccessful. The purified retene, m. 98-9°, was identified with the natural product because it does not lower the m. p. of the latter, the picrate m. 126-7° and on treating with CrO3 in AcOH it gives a quinone, m. 126-7°. Nitration of retenequinone in AcOH and AcOH gave golden yellow crystals of dinitroretenequinone, m. 229-30°. Condensation of retenequinone with p-O2NC5H4NNH2 gave madderred prismatic crystals of retenequinone p-nitrophenylhydrazone, m. 219°, very sparingly soluble in AcOH and EtOH. Nitration of retene gave ill-defined, resinous nitro derivs. 107963-01-9, Acetanilide, 4,5-dimethoxythio- (preparation of)

RN 107963-01-9 CAPLUS

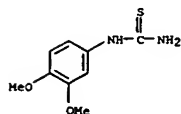
CN Ethanethioamide, N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)

L10 ANSWER 1654 OF 1666 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

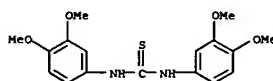


L10 ANSWER 1655 OF 1666 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1927:13431 CAPLUS
 DOCUMENT NUMBER: 21:13431
 ORIGINAL REFERENCE NO.: 21:1637e-1,1638a
 TITLE: Inhibitory effect of substituents in chemical reactions. I. The reactivity of the amino group in substituted arylamines
 AUTHOR(S): Dyson, G. M.; George, H. J.; Hunter, R. F.
 SOURCE: Journal of the Chemical Society, Abstracts (1927) 436-45
 CODEN: JCSAAZ; ISSN: 0590-9791
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB The following thiocarbimides were prepared from the amine and CSCI₂ in H₂O-CHCl₃ with EtOH-NH₃ these give thiocarbimides; the thiocarbimides and the amines in EtOH give the s-diarylthiocarbimides. Thiocarbimides: m-xylyl-2, b760 247'; o-xylyl-3-, b760 262-3'; o-anisyl, pale yellow, b760 266-7'; m-anisyl, b760 267'; 2,5-dimethoxyphenyl, m. 32'; 3,4-dimethoxyphenyl, oily; o-ethoxyphenyl b750, 273-5'; m-ethoxyphenyl, b758 278'; o-carbethoxyphenyl, oil of, nauseating odor, b. 150-1'; m-carbethoxyphenyl, pale yellow, b10 152'; p-carbethoxyphenyl, m. 58'; p-dimethyl-aminophenyl; pale yellow, m. 67'; p-acetylphenyl, m. 76'; m-cyanophenyl, oil, decomp. 250'; p-cyanophenyl, m. 45'; 2,5-dicyanophenyl, decomp. without melting; o-bromo-phenyl. b270 257'; 2,5-dibromophenyl, b. 240', m. 17-8'; o-iodophenyl, m. 39'; vim-iodo. phenyl, m. 46'; 3,5-dibromo-o-tolyl, b. 280', m. about 25'; 3-nitro-o-tolyl, lemon-yellow, m. 69'; 2-nitro-4-ethoxyphenyl, orange, m. 78'. Thiocarbimides: m-xylyl-2-, m. 190'; o-xylyl-3-, m. 182'; o-anisyl, m. 148-9'; m-anisyl, m. 160'; 2,5-dimethoxyphenyl, m. 161'; 3,4-dimethoxyphenyl, m. 234'; o-ethoxyphenyl, m. 126'; m-ethoxyphenyl, m. 167' o-carbethoxyphenyl, m. 300-5'; in-carbethoxyphenyl, m. 294-5' p-carbethoxyphenyl, m. 159'; p-dimethylaminophenyl, pale yellow, m. 190'; p-acetylphenyl, yellow, m. 215' (decomposition); m-cyanophenyl, m. 137'; p-cyanophenyl, m. 169'; 2,5-dicyanophenyl, m. 228'; o-bromophenyl, m. 125'; 2,5-dibromophenyl, m. 130'; o-iodophenyl, m. 157'; m-iodophenyl, m. 160' (decomposition); 2-nitro-4-ethoxyphenyl, orange-brown, m. 177'. s-Diarylthiocarbimides: m. 208'; o-anisyl, m. 134'; m-anisyl, m. 126'; 2,5-dimethoxyphenyl, m. 127'; 3,4-dimethoxyphenyl, m. 140'; o-ethoxyphenyl, m. 125'; m-ethoxyphenyl, m. 115'; o-carbethoxyphenyl, decomp. without melting; m-carbethoxyphenyl, decomp. without melting; p-carbethoxyphenyl, m. 165'; p-acetylphenyl, m. 198'; m-cyanophenyl, cream-colored, m. 144'; p-cyanophenyl, m. 171'; o-bromophenyl, m. 157'; 2,5-dibromophenyl, m. 154'; o-iodophenyl, m. 164' (decomposition). s-Bis-3,5-di-nitrophenylthiocarbimide, yellow, m. 160'; s-di-o-carbethoxyphenylthiocarbimide, m. 300' (decomposition); s-di-p-acetaminophenylthiocarbimide, m. 220' (deconfin.). The amines containing the CN, Br, I and NO₂ groups showed retarded thiocarbimide formation, while 2,6,4-Cl₂(NO₂)C₆H₂NH₂, 2,6,4-Br₂(NO₂)C₆H₂NH₂, 2,6,4-12(NO₂)C₆H₂NH₂, 4,6,2-Br₂(NO₂)C₆H₂NH₂ and 2,4,6,3-Br₃(NO₂)C₆H₂NH₂ did not react with CSCI₂ under these conditions.
 IT 65069-52-5, Urea, [3,4-dimethoxyphenyl]-thio- 88101-27-3
 , Carbanilide, 3,3',4,4'-tetramethoxythio-

L10 ANSWER 1655 OF 1666 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 (prepn. of)
 RN 65069-52-5 CAPLUS
 CN Thiourea, N,N'-bis(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)

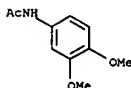


RN 88101-27-3 CAPLUS
 CN Thiourea, N,N'-bis(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)



L10 ANSWER 1656 OF 1666 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1927:13423 CAPLUS
 DOCUMENT NUMBER: 21:13423
 ORIGINAL REFERENCE NO.: 21:1635e-1
 TITLE: Condensation of substituted anilines with cyclopentanone cyanohydrin. Derivatives of 1-anilinocyclopentane-1-carboxylic acid
 AUTHOR(S): Oakeshott, S. H.; Plant, S. G. P.
 SOURCE: Journal of the Chemical Society, Abstracts (1927) 484-93
 CODEN: JCSAAZ; ISSN: 0590-9791
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB o-MeC₆H₄NH₂ and (CH₂)₄CO in AcOH, treated with aqueous KCN, give 1-o-toluidino-1-cyanocyclopentane, m. 68'; in concentrated H₂SO₄ for 2 days this gives the corresponding carboxyamide, m. 122', with excess HCl this gives 1-o-toluidino-cyclopentane-1-carboxylic acid m. 128'; this is unchanged by heating with KOH at 300', but a mixture of KOH and EtONa gives 1-methylcarbazole, m. 117'. The latter was also synthesized from o-MeC₆H₄NH₂ and (CH₂)₄CO, the cyclohexanone a-tolylhydrazone giving with dilute H₂SO₄ 8-methyltetrahydrocarbazole, m. 98' which was boiled with S and quinoline for 20 min. 1-m-Toluidino-1-cyanocyclopentane, m. 53'; the carboxyamide, m. 145' and the carboxylic acid, m. 123-1'. 1-o-Anisidino-1-cyanocyclopentane: is a brown sirup; in concentrated H₂SO₄, after 2 days, it gives 1-o-anisidino- cyclopentane-1-carboxyamide-5'-sulfonic acid, isolated as the Na salt. 1-m-Anisidino-1-cyanocyclopentane, m. 132'; no definite product was isolated from the H₂SO₄ reaction product. 1-p-Anisidinocyclopentane-1-carboxyamide, m. 81-2'; the corresponding acid, m. 160'. 1-Veratrylamino-1-cyanocyclopentane, m. 98'; H₂SO₄ gives no definite reaction product. 3,5-Dimethoxyaniline, b20 178'; Ac derivative, m. 157'. 1-m,m'-Di-methoxyanilino-1-cyanocyclopentane, m. 150'. 1-o-Chloroanilino-1-cyanocyclopentane, yellow oil; m-Cl derivative, m. 47'; p-Cl derivative, m. 73'. 1-o-Chloroanilinocyclopentane-1-carboxyamide, m. 113'; m-derivative, m. 118'; p-derivative, m. 132'; the corresponding acids, m. 145', 112' and 144', resp. 1-o-Bromoanilinocyclopentane, yellowish brown oil; m-derivative, oily; p-derivative, m. 69'; the corresponding carboxyamides, m. 128', 126' and 145', resp., and the acids, m. 140'. 130' and 130'. 1-m-Nitroanilino-1-cyanocyclopentane, yellow, in 95'; p-derivative, yellow, m. 165'; the corresponding carboxyamides, orange and yellow, m. 144' and 231'; the acids, yellow, m. 137' and 187'. 1-o-Carboxyanilino-1-cyanocyclopentane m. 122'; m-derivative, m. 153'; p-derivative, m. 189-90'; the corresponding carboxyamides, m. 225', 215' and 272', resp.; the acids, m. 161', 215' and 225', resp.
 IT 881-70-9, Acetanilide, 3,4-dimethoxy- (preparation of)
 RN 881-70-9 CAPLUS
 CN Acetamide, N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)

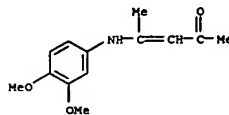
L10 ANSWER 1656 OF 1666 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



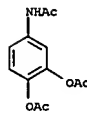
L10 ANSWER 1657 OF 1666 CAPLUS COPYRIGHT 2005 ACS ON STN
 ACCESSION NUMBER: 1925:18066 CAPLUS
 DOCUMENT NUMBER: 19:18066
 ORIGINAL REFERENCE NO.: 19:2344-1
 TITLE: Strychnine and brucine. III. Position of the methoxy groups in brucine
 AUTHOR(S): Lions, Francis; Perkin, Wm. H., Jr.; Robinson, Robert
 SOURCE: Journal of the Chemical Society, Transactions (1925), 127, 1158-69
 CODEN: JCHTA3; ISSN: 0368-1645
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 OTHER SOURCE(S): CASREACT 19:18066
 GI For diagram(s), see printed CA Issue.
 AB cf. C. A. 19, 293. Because the brucine-HNO₃ reaction is so characteristic, a study has been made of the behavior with HNO₃ of certain synthetic compds. containing MeO groups oriented so as to be typical of the various possibilities which must be considered in the case of brucine. The results indicate that brucine contains 2MeO groups in the o-position to each other in a C₆H₆ ring, and the quinones from brucine and its deriva. are o-quinones. If brucine contains a C₆H₆ ring bearing only 4 substituents, then these are arranged as in I; if the ring bears more than 4 substituents, such arrangements as II are possible. An alternative statement is that there can be no unsubstituted position in the C₆H₆ nucleus p to either of the MeO groups. β -2,5-Dimethoxy-anilinopropenyl Me ketone, m. 55°, readily hydrolyzed by dilute acids, from 2,5-(MeO)₂C₆H₃NH₂ and CH₂Ac₂. Concentrated H₂SO₄ yields 5,8-dimethoxy-2,4-dimethylquinoline, m. 107°; HCl salt, yellow, m. 235-7°; picrate, yellow, m. 190°. Reduction with Na and absolute EtOH gives the 1,2,3,4-tetrahydro derivative, b10 170-2°; its HCl salt gives no color with cold FeCl₃ but on warming a KMnO₄-color develops, fading to reddish brown. Concentrated HNO₃ or dilute HNO₃ containing a trace of NaNO₂ gives a dark blood-red color. N-Ac derivative, m. 85-6° (about 60% yield); concentrated H₂SO₄ gives a yellowish green solution changing to green and then to brown; on heating the color changes are through brown, reddish violet, red to orange. 6-Nitro-1-acetyl-5,8-dimethoxy-2,4-dimethyl-1,2,3,4-tetrahydroquinoline, m. 127°; reduction followed by acetylation gives the 6-acetyl amino derivative, m. 171°. β -6-Bromo-3,4-dimethoxyanilinopropenyl Me ketone, m. 78-9°, with concentrated H₂SO₄ yields 8-bromo-5,6-dimethoxy-2,4-dimethylquinoline, pale yellow, m. 74-5° (70% yield); HCl salt, yellow, m. 136-8°; reduction gives the 1,2,3,4-tetrahydro derivative, b10(166-7°, whose HCl salt gives a pink, then wine-red color with FeCl₃. NaNO₂ in dilute HNO₃ ppts. an oily yellow-orange nitrosoamine. Ac derivative, oily; with HNO₃ in H₂SO₄ it gives an intense reddish brown color; HNO₃ in AcOH gives a yellow color. β -3,4-Dimethoxy-anilinopropenyl Me ketone m. 79°. 6,7-Dimethoxy-2,4-dimethylquinoline m. 81.5-2°; HCl salt m. 286° (decomposition); picrate, yellow, m. 239°. The 1,2,3,4-tetrahydro derivative m. 73-4°, b12 186-9°; picrate, Au-yellow, m. 145°. The HCl salt gives a pure olive-green color

L10 ANSWER 1658 OF 1666 CAPLUS COPYRIGHT 2005 ACS ON STN
 ACCESSION NUMBER: 1924:2625 CAPLUS
 DOCUMENT NUMBER: 18:2625
 ORIGINAL REFERENCE NO.: 18:385f-1,386a
 TITLE: 2-Amino-4-nitroresorcinol and 2-nitro-4-aminopyrocatechol
 AUTHOR(S): Heller, Gustav; Lindner, Paul; Georgi, Hans
 SOURCE: Ber. (1923), 56B, 1868-72
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 GI For diagram(s), see printed CA Issue.
 AB 2-Acetamido-4-nitroresorcinol (8 g. from 10 g. 2,4-dinitroresorcinol (I) in 30 g. AcOH treated at 40-60° in the course of 2 hrs. with 35 g. SnCl₂ in 70 g. concentrated HCl, heated 10 min. longer at 70°, nearly neutralized with saturated NaOAc and treated with an excess of Ac₂O), pale yellow, m. 213°, soluble in Na₂CO₃ with yellow, in NaOH with orange-red color, converted by boiling 0.5 hr. with 15 parts concentrated HCl into the HCl salt, turns brown 225°, of 2-amino-4-nitroresorcinol (II), red needles with blue surface luster, m. 182°, identical with the product obtained by Benedict and Hubl (Monatsh. 2, 324(1881)) from I with (NH₄)₂S; yield, 6.5 g. from 10 g. I. On diazotization in cold H₂O₄, 5 g. II consumes 2 mols. NaNO₂ and yields 6.5 g. of the yellow 2-nitrosoamino-4-nitro-3-hydroxy-1,6-quinone oxime, HON:C.CO.C(NHNO):C(OH).C(NO₂):CH, which explodes on heating, decomps. with gas evolution in boiling H₂O, gives in alc. with FeCl₃ a dark green color which can be shaken out with Et₂O, dissolves in NaOAc with a dark green color changing. after some hrs. to red-brown; it dissolves with difficulty in concentrated HCl and the solution does not couple with alkaline β -naphthol; with AcCl it yields after some hrs. orange needles. 2-Acetamidoresorcinol diacetate (4.9 g. from 5 g. (HO)₂C₆H₃NH₂.HCl refluxed 1 hr. with 5 g. NaOAc and 30 g. Ac₂O), m. 104°; 2 g. in 8 g. cold AcOH gives with 8 g. HNO₃ (d. 1.3) after 4 hrs. 0.4 g. of the 4-nitro derivative, C12H12O₉N₂, m. 123°, which with boiling concentrated HCl gives II.HCl. 4-Amino-6-nitropyrocatechol (III) is obtained from the 4,6-(NO₂)₂ compound in better yield by partial reduction with SnCl₂ than with (NH₄)₂S; HCl salt, m. 228°. The "diaz oxide" formed by the action of HNO₂ on III dissolves in alkali with purple, in NaOAc with dark brown color; in Me₂CO FeCl₃ gives a greenish brown color; the substance couples neither directly nor after solution in concentrated HCl it is not attacked by Ac₂O-AcCl. 4-Acetamidopyrocatechol diacetate, from (HO)₂C₆H₃NH₂.HCl and Ac₂O-NaOAc, m. 198°, gives in AcOH with HNO₃ (d. 1.5) at room temperature the 6-nitro derivative, m. 207deg; which with hot concentrated HCl yields III.HCl. 74332-02-8, Acetanilide, 3,4-dihydroxy-, diacetate (preparation of)
 RN 74332-02-8 CAPLUS
 CN Acetanilide, N-[3,4-bis(acetyloxy)phenyl]- (9CI) (CA INDEX NAME)

L10 ANSWER 1657 OF 1666 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
 with FeCl₃. 1-Ac deriv. m. 118°; a trace of HNO₃ in H₂SO₄ gives a bright orange-red color, identical with that from brucine, though the color fades a little more rapidly. HNO₃ in AcOH gives a color reaction similar to that of brucine, though the brucine reaction is exhibited at a much lower concn. of HNO₃. β -2,3-Dimethoxyanilino-propenyl Me ketone, pale yellow oil, darkening on exposure to the air to orange-red. 7,8-Dimethoxy-2,4-dimethylquinoline b10 189-91°; HCl salt, pale yellow, m. 145°. 1,2,3,4-Tetrahydro deriv. b12 168-70°; N-Ac deriv. m. 98-9°; the AcOH soln. gives no color with a little HNO₃ and only a pale yellow with more HNO₃. 5-Nitro-4-allyl-veratrole, lemon, m. 44° reduction and acetylation give the 5-acetyl amino deriv., m. 126-7°; in H₂SO₄ or HNO₃ it gives the characteristic brucine reaction with HNO₃. 2-Nitroveratraldehyde and α -hydrindone with HCl give 2'-nitro-3',4'-dimethoxy-2-benzylidene-1-hydrindone, yellow, m. 156-76°, probably a mixt. of stereoisomers; the H₂SO₄ soln. is orange-red. Attempts to obtain a quinoline deriv. by reduction were fruitless. The corresponding 6'-nitro deriv. is brownish yellow and m. 211°; the H₂SO₄ soln. is bright red. Reduction gives dimethoxyindenoquinoline, m. 188-90°. whose HCl salt, m. 251-2°, gives an intensely bluish purple fluorescent soln. in EtOH.
 IT 861350-18-7, Δ^3 -2-Pentenone, 4-(3,4-dimethoxyanilino)- (preparation of)
 RN 861350-18-7 CAPLUS
 CN Δ^3 -2-Pentenone, 4-(3,4-dimethoxyanilino)- (2CI) (CA INDEX NAME)



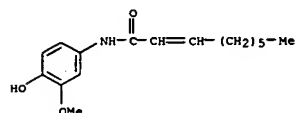
L10 ANSWER 1658 OF 1666 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



L10 ANSWER 1659 OF 1666 CAPLUS COPYRIGHT 2005 ACS ON STN
ACCESSION NUMBER: 1922:7168 CAPLUS
DOCUMENT NUMBER: 16:7168
ORIGINAL REFERENCE NO.: 16:12291, 1230a-b
TITLE: Natural and artificial pepper substances and the relation between chemical constitution and pepper taste. I
AUTHOR(S): Ott, Erwin; Zimmermann, Kurt
SOURCE: Diss., Munster (1921)
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

AB The first part is a review of the literature and preparation of hydroxybenzylamines, as well as various unsatd. fatty acids. α, β -Nonylenic chloride, b10 103-4°. Undecylenic 4-hydroxy-1-benzylamide, m. 86°, has a sharp taste, gives no green FeCl3 reaction. 2-Hydroxy derivative, was not obtained crystalline
4-Methoxy derivative, glistening leaflets, m. 91°. It does not have a pepper-like taste. Benzylamide, wax-like mass, m. 51-2°, has no taste. 4-Hydroxy-1-phenylamide, m. 107°, has no taste. Sorbic piperidine, m. 77°, has a bitter taste. α, β -Nonylenic vanillylamide, oil, giving a green FeCl3 reaction, and having a sharp pepper-like taste. 4-Hydroxy-1-benzylamide, of butter-like consistency, has a very sharp taste. Oleic vanillylamide, slightly colored oil, has a sharp taste but not comparable with the aromatic odor of the other derivs. examined Cinnamic vanillylamide, powder, m. 138°, has an aromatic pepper-like taste, and gives an emerald-green color with FeCl3. Palmitic vanillylamide m. 79°; the solid has very little taste while the alc. solution has a marked taste. Stearic vanillylamide, m. 66° and has no taste.

IT 861334-33-0, α -Nonenamide, N-vanillyl-
(preparation of)
RN 861334-33-0 CAPLUS
CN α -Nonenamide, N-vanillyl- (2CI) (CA INDEX NAME)



L10 ANSWER 1660 OF 1666 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
165.5-6.5°, gives an olive color with alc. and an orange color with aq. FeCl3; chloroacetyl derivative (yield equal to the amt. of NH2 compd. taken), woolly needles from PhMe, m. 155-6°. 3,4-Dimethoxychloroacetanilide (6.2 g. from 5 g. of the NH2 compd.), long silky needles from C6H6, m. 133-4.5°. 3-Methoxy-4-ethoxyacetanilide (15.9 g. from 16.7 g. MeO(HO)C6H3NHAc and Et2SO4), long narrow pearly plates from PhMe, m. 148.5-50°, thick plates and columns from H2O, apparently obtained by Freyss by ethylation of "p-nitroguaiacol" and subsequent reduction and acetylation (Chem. Zentr. 1901, 1, 739); 14.5 g. with boiling 25% H2SO4 gives 6 g. of the aniline, prismatic needles, solidify 55°, m. turbid 55°, clear
59°, b20 175-6°, gives with FeCl3 a brown color changing through wine-red to reddish purple on standing, is readily diazotized,

the purple-red soln. coupling with R salt to an intense purple-red dye. Chloroacetyl derivative (4 g. from 3.5 g. of the aniline), long silky needles from 50% alc., m. 133-4°. 4-Methoxy-5-ethoxyacetanilide (18.3 g. from 18 g. HO(EO)C6H3NHAc and Me2SO4), slightly purple, very thin, pearly scales from PhMe, m. 145-6°; 17.5 g. with boiling 25% H2SO4 gives 10.2 g. of the aniline, faintly pink rhombic crystals from

50% alc., m. 81.5-2.0°, slowly gives an intense violet color with FeCl3, forms in dil. HCl a diazo soln. of transient purple color, brown
in thin layers, changing to brownish gray and coupling with R salt to a deep red dye. Chloroacetyl derivative (5.6 g. from 5.1 g. of the aniline), delicate woolly needles from PhMe, m. 135.5-6.0°.

Diacetyl-4-aminopyrocatechol (14.4 g. from 25 g. (HO)2C6H3NH2.HBr and AC2O), thin, faintly pink, hexagonal platelets from 50% alc. containing a few drops of AcOH, m. 187.5-92°, gives a grayish brown color with FeCl3, dissolves in dil. Na2CO3; or NH4OH, the soln. in the latter case turning rose-brown on shaking, gives with NaNO2 and dil. AcOH golden yellow platelets of a NO deriv. sol. in alkalis with a brown-red color quickly changing to purple-red; 13 g. with KOH and Et2SO4 gives 4.9 g. 3,4-(EO)2NH2, pearly leaflets from 50% alc., m. 124.5-5°, also obtained from 3,4-EO(HO)C6H3NH2; and Et2SO4 (yield, slightly more than the starting material); 6.8 g. with boiling 1:1 HCl gives 4.8 g. of the 3,4-diethoxyaniline, cream-colored prisms, rhombs, thick plates and needles from ligroin, m. 47.5-8.5°, gives an intense violet color with FeCl2, forms a purple color with NaNO2; and couples with R salt to a purple-red dye. Chloroacetyl derivative, hair-like needles from PhMe, m. 122.5-4.5°, sol. in concd. H2SO4 with faint greenish yellow color. p-Sulfophenylazo-m-methoxyphenol (25.2 g. from 12.4 g. m-HOC6H4OEt), brown-orange, lenticular platelets with 1 H2O, brick-red powder when anhydrous, thick orange microplates from alc., chars and swells about 250°, sol. in concd. H2SO4 with yellow-orange, in dil. carbonates and alkalis with reddish orange color; 24 g. with Et2S in NH4OH gives

7.6 g. 4-amino-5-methoxyphenol, delicate, pale purple-brown needles from PhMe, blackens markedly about 160°, m. 175-80°, sol. in boiling H2O, the soln. turning purple in the air, slowly develops a brownish purple color with FeCl3. N-Acetyl derivative, minute pale pink needles from PhMe, m. 150-5° when heated rapidly, resolidifies and m. again 169-71°. Chloroacetyl derivative (5.1 g. from 5 g. of the NH2 compd.), pearly platelets from MeOH, m. 165.5-6.5°. p-Sulfophenylazo-m-methoxyphenol (25.4 g. from 13.8 g. m-HOC6H4OEt), minute, flat, brown-orange, pointed needles and narrow plates with 1 H2O, brick-red powder when anhydrous, blackens about 250-5°, then softens but does not m. 285°, sol. in concd. H2SO4 and in H2O with

L10 ANSWER 1660 OF 1666 CAPLUS COPYRIGHT 2005 ACS ON STN
ACCESSION NUMBER: 1919:12071 CAPLUS
DOCUMENT NUMBER: 13:12071
ORIGINAL REFERENCE NO.: 13:2371g-i, 2372a-i, 2373a-i
TITLE: Certain amino- and acylaminophenol ethers
AUTHOR(S): Heidelberger, Michael; Jacobs, Walter A.
SOURCE: Journal of the American Chemical Society (1919), 41, 1450-72
CODEN: JACSAT; ISSN: 0002-7863
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

AB o-MeOC6H4NHCOCH2Cl, obtained almost quant. from the NH2 compound and ClCH2COCl in dilute AcOH in the presence of NaOAc (C. A. 11, 2329), m. 48.5-9.0°. Chloroacetyl-m-anisidine, obtained in 6.9 g. yield from 6 g. of the anisidine, flat needles and long plates from C6H6-ligroin (2:1), m. 90.5-1.5°. Chloroacetyl-o-phenetidine, hexagonal rhombs from 85% alc., m. 65.5-7.0°. m-Compound, flat needles from PhMe, m. 125.5-6.5°. 3-Methoxyacetanilide, from Me(HO)C6H3NHAc and Me2SO4, pearly hexagonal scales from 50% alc., m. 103-3.5°, converted by boiling 1:1 HCl into the aniline, m. 59-9.5° (yield, 14.4 g. from 30 g. Me(HO)C6H3NHAc), which with ClCH2COCl gives the chloroacetanilide, delicate needles from C6H6-ligroin, m. 90-2°. 2,4-MeO(HO)C6H3NH2, obtained in 9 g. yield from 13 g. of the Ac derivative, b23 144-52°, m. 13-4° (Bamberger and Blangue, C. A. 6, 2751, give 29-30°); 8.7 g. gives 11.5 g. 2-methyl-4-methoxy-chloroacetanilide, hair-like needles from PhMe, m. 134.5-5.5°. 3,4-O2N(MeO)C6H3NH2, obtained in 10.4 g. yield from 16 g. p-MeOC6H4NHAc, red prisms from PhMe, m. 57-7.5° (Ger. pat. 101,778 gives 50°); 5 g. gives 6.7 g. 3-nitro-4-methoxychloroacetanilide, golden yellow flat needles from AcOEt, m. 149.5-51.5°. 3-Acetamino-6-methoxybenzenesulfonic acid, from the NH2 acid and Ac2O, minute, flat needles from H2O containing a few drops

of AcOH, intumesces 197-8°, resolidifies, becomes yellow and again m. about 250° (decomposition). Amide, obtained in 9 g. yield from 21.7 g. of the Na salt through the chloride, faintly yellow minute crystals from H2O, m. 233-5.5° (slow gas evolution); 6.5 g. boiled 0.5 hr. with 1:1 HCl yields 3.4 g. 3-amino-6-methoxy-benzenesulfonamide, minute cream-colored spindles from 50% alc., m. 184.5-6.0°, is easily diazotized and couples with R salt to a deep red dye, slowly develops a brownish pink color with FeCl3. 3,4-Methylenedioxychloroacetanilide, obtained in 3.5 g. yield from 4 g. CH2O2C6H3NH2.HCl, microneedles from PhMe, m. 157.5-8.5°, gives a pale yellow color with H2SO4. 4-Chloroacetylaminoguaiacol (17.5 g. from 16.7 g. of the NH2 compound), slightly pink, thin, pearly plates from H2O, m. 113-4°, gives a yellow-brown color with FeCl3. 5-Chloroacetylaminoguaiacol (2.7 g. from 6 g. of the HCl salt of the NH2 compound), pale pink pearly platelets from PhMe, m. 140-50°. p-Sulfophenylazo-o'-methoxyphenol, obtained in 26.3 g. yield from 23.1 g. diazotized Na sulfanilate and 13.8 g. p-ETOC6H4OH, dark red plates with purple reflex, containing 2 H2O, m. (anhydrous) 220° (gas evolution) when heated rapidly, difficultly soluble in cold H2O with bright orange-red color owing to formation of

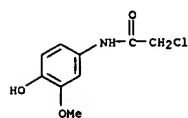
the hydrate, gives a bright red color with concentrated H2SO4, converted in NH4OH by H2S into 4-amino-6-ethoxyphenol, minute hexagonal platelets, m. 186-8°, soluble in alkalis with a gray-lilac color changing to deep violet, gives an olive color with alc. FeCl3 and turns purple with H2HSO4 but dissolves with very little color; 29 g. gives with Ac2O in AcOH 23.4 g. of the acetyl derivative, pearly platelets from 50% AcOH, m.

L10 ANSWER 1660 OF 1666 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
bright orange color, yields with H2S-NH4OH 40% of its wt. of 4-amino-5-ethoxyphenol; gray microleaflets from H2O containing H2S, m. 152-4°, gives with FeCl3 a purple color deepening to an intense violet; alk. solns. rapidly become dark purple and deposit a ppt. of the same color. N-Acetyl derivative (22.7 g. from 20 g. of the NH2 compd.), pointed prisms from 50% AcOH, m. 172.5-4.5°. Chloroacetyl derivative, pearly gray plates from PhMe, m. 158.5-61°, gives an olive color with alc. FeCl3. 2,4-(MeO)2C6H3NH2, from 2,4-MeO(HO)C6H3NHAc with Me2SO4 and subsequent hydrolysis with boiling 1:1 HCl, pearly pinkish plates from ligroin, m. 32.5-3.5° (Bechhold, Ber. 22, 2378 (1899), gives 39-40°), produces with aq. FeCl3 a deep purple and with alc. FeCl a green color slowly changing to violet-brown; with ClCH2COCl it gives almost quant. 2,4-dimethoxy-chloroacetanilide, delicate needles from 50% alc., m. 89.5-90°. 2-Methoxy-4-ethoxyacetanilide, from the 4-HO compd. and Et2SO4, pale pink platelets from C6H6-ligroin, m. 117.5-8.5°, sol. in concd. H2SO4 with pale pink color. Aniline, b12, 151.5-2.5°, faintly pinkish rhombs from C6H6-ligroin, m. 27.5-8.5°, gives with FeCl3 a violet-purple soln. depositing purple microneedles, couples with R salt, when diazotized, to a deep purple dye. Chloroacetyl derivative, flat narrow striated plates from ligroin,

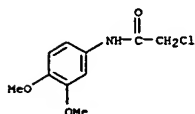
softens 97°, m. 97.5-8.0°. 4-Methoxy-6-ethoxyacetanilide, from the 4-HO compd., faintly pink silky needles from ligroin, m. 100.5-1.0°, gives a faint yellow color with concd. H2SO4; 11.3 g. with 1:1 HCl gives 7.5 g. of the aniline, b9 144-4.5°, solidifies to thin platelets, m. 22.5°, gives with FeCl3 a brownish color changing to dark purple and depositing a ppt. of the same color, forms a bluish diazo soln. coupling with R salt to a red dye. Chloroacetyl derivative, thick platelets from PhMe, m. 126-7°. 2,4-(EO)2C6H3NHAc (4.6 g. from 6.8 g. of the 4-HO compd.), silky needles from 50% alc., m. 117.8° (Will and Pukall, Ber. 20, 1127(1887), give 120.5°; aniline, pale brownish pink flat needles and narrow platelets from C6H6-ligroin, m. 33.5-4.0° (W. and P. give 32°), slowly produces with FeCl3 a deep violet soln. depositing dark violet microneedles, gives a purplish red color when diazotized and coupled with R salt. 2,4-Diethoxychloroacetanilide, delicate woolly needles from 85% alc., m. 102-3°.

IT 17640-79-8, m-Acetamide, o-chloro-4-hydroxy-
62593-78-6, Acetanilide, o-chloro-3,4-dimethoxy-
86412-56-8, p-Acetophenide, 3-methoxy- 135325-75-6,
m-Acetophenide, 4-hydroxy- 727982-71-0, Acetanilide,
o-chloro-3,4-diethoxy- 861796-51-2, m-Acetophenide,
4-methoxy- 861796-53-4, m-Acetophenide, o-chloro-4-
methoxy- 861796-55-6, m-Acetophenide, o-chloro-4-hydroxy-
(preparation of)

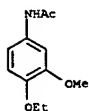
RN 17640-79-8 CAPLUS
CN Acetamide, 2-chloro-N-(4-hydroxy-3-methoxyphenyl)- (9CI) (CA INDEX NAME)



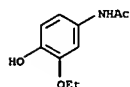
L10 ANSWER 1660 OF 1666 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 RN 62593-78-6 CAPLUS
 CN Acetamide, 2-chloro-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)



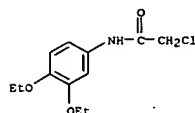
RN 86412-56-8 CAPLUS
 CN Acetamide, N-(4-ethoxy-3-methoxyphenyl)- (9CI) (CA INDEX NAME)



RN 135325-75-6 CAPLUS
 CN Acetamide, N-(3-ethoxy-4-hydroxyphenyl)- (9CI) (CA INDEX NAME)

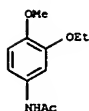


RN 727982-71-0 CAPLUS
 CN Acetamide, 2-chloro-N-(3,4-diethoxyphenyl)- (9CI) (CA INDEX NAME)

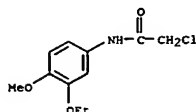


RN 861796-51-2 CAPLUS
 CN m-Acetophenetide, 4-methoxy- (2CI) (CA INDEX NAME)

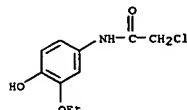
L10 ANSWER 1660 OF 1666 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 861796-53-4 CAPLUS
 CN m-Acetophenetide, o-chloro-4-methoxy- (2CI) (CA INDEX NAME)

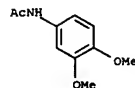


RN 861796-55-6 CAPLUS
 CN m-Acetophenetide, o-chloro-4-hydroxy- (2CI) (CA INDEX NAME)

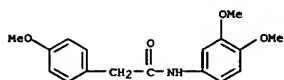


L10 ANSWER 1661 OF 1666 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1918:4210 CAPLUS
 DOCUMENT NUMBER: 12:4210
 ORIGINAL REFERENCE NO.: 12:678b-h
 TITLE: Nitration of 5- and 6-acetamino-3,4-dimethoxybenzoic acids and 4-acetaminoveratrole
 AUTHOR(S): Simonsen, John Lionel; Rau, Madyar Gopala
 CORPORATE SOURCE: Madras
 SOURCE: Journal of the Chemical Society, Transactions (1918), 113, 22-8
 CODEN: JCHTA3; ISSN: 0368-1645
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB A continuation of the study of the orientating influence of substituents on isomers of the compds. previously investigated (Gibson, S. and R., C. A. 11, 1421, 1950). 10 g. vanillin in 200 g. Et2O were treated with a steady stream of N oxides (from H2SO4 and NaNO2) for 2-3 hrs., cooling continuously. After adding a little H2O and letting stand overnight the separated 5-nitrovanillin was converted into the K salt, this dried at 130°, suspended in C7H8, and heated 2-3 hrs. with a slight excess of Me2SO4 at 135-40°. On boiling off the C7H8 in a current of steam, triturating with NaOH, and oxidizing the residual 5-nitroveratrole with alkaline KMnO4, 5,3,4-O2N(MeO)2C6H2CO2H was obtained in 50% yield.
 Its Ba salt, reduced with alkaline Fe(OH)2, concentrated, and acidified strongly with HCl, gave a 50% yield of 5-amino-3,4-dimethoxybenzoic acid hydrochloride, woolly needles, decomp. 235°; the free acid darkens rapidly in the air; chloroplatinate, yellow needles, turns brown about 180° and blackens at higher temps.; acetyl derivative (A), needles with 1 H2O, m. 188° when anhydrous. (A), gradually added to 3 parts HNO3 (d. 1.52) cooled with ice salt, let stand 10 min. and poured onto ice, gave a mixture of 4,5,3-(O2N)2AcNH(C6H3(OMe)2 and 6-nitro-5-acetamino-3,4-dimethoxybenzoic acid, straw-colored needles, m. 220-1°, yields the 5-amino acid (B) on warming with 1:1 HCl on the H2O bath for several hrs., iridescent yellow needles, m. 148°. In 1 case a trace of an acid, plates, m. 180°, was obtained. Diazotization of (B) in alc.-H2SO4, decomposition of the diazonium salt on the H2O bath, and remethylation of the product, gave 6,3,4-O2N(MeO)2C6H2CO2H. 6-Acetamino-3,4-dimethoxybenzoic acid (A), prisms, decomp. 228°, when nitrated with all precautions with 3 parts HNO3 (d. 1.43), gave only 5-nitro-4-acetaminoveratrole (C), golden needles, m. 196°; heated in 90% H2SO4 at 100° for 10 min. it gives 5-nitro-4-aminoveratrole, terra-cotta needles, m. 171°, yields 4-O2NC6H3(OMe)2 (D) on diazotization; benzoyl derivative, yellow needles, m. 153-4°. In the reduction of (D) chlorination is best avoided by mixing 10 g. with 16 g. Sn, adding a trace of graphite (Pinnow, J. prakt. Chemical [2] 63, 352(1901)), and heating 2-3 hrs. on the H2O bath with 50 cc. 1:1 HCl; in this way 50% yields of 4NH2C6H3(OMe)2 are obtained. Nitration of the 4-NHAc compound with HNO3 (d. 1.4) gave (C). The only unexpected occurrence in the light of S. and R.'s theories was the formation of (C) from (A), showing that a p-NHAc group exercises much less influence on the MeO than on o-NHAc.
 IT 881-70-9, Acetanilide, 3,4-dimethoxy- (nitration of)
 RN 881-70-9 CAPLUS

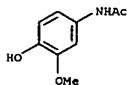
L10 ANSWER 1661 OF 1666 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 CN Acetamide, N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)



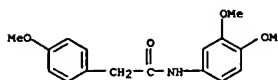
L10 ANSWER 1662 OF 1666 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1913:21685 CAPLUS
 DOCUMENT NUMBER: 7:21685
 ORIGINAL REFERENCE NO.: 7:3122a-c
 TITLE: Synthesis of Unsymmetrical Derivatives of Deoxybenzoin
 AUTHOR(S): Cain, John C.; Simonsen, John L.; Smith, Clarence
 SOURCE: Journal of the Chemical Society, Transactions (1913), 103, 1035-9
 CODEN: JCHTAJ; ISSN: 0368-1645
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB p-MeOC6H4CH2COCOC2H (a) was prepared by a slight modification of Wakeman and Dakin's method (C. A., 5, 2512). The ethyl ester semicarbazone, needles, m. 152-3°. Oxidation of (a) with H2O2 in alkaline solution and esterification gave ethyl p-methoxyphenylacetate, b. 138-40°. Chloride of the acid, b10 143°; with o-C6H4(OMe)2 and AlCl3 in CS2 it gives β-keto-α-4-methoxyphenyl-β-3,4-dimethoxyphenylethane, MeOC6H4CH2COC6H3(OMe)2, needles, m. 118°; oxime, prisms, m. 143°, gives, with PCl5, p-methoxyphenylaceto-3,4-dimethoxyanilide, MeOC6H4CH2CONHC6H3(OMe)2, needles, m. 147-8°. Similarly, starting with the lactone of α-benzoylamino-3,4-dimethoxycinnamic acid, ethyl 3,4-dimethoxyphenylacetate was obtained,
 b25 191°. β-Keto-β-4-methoxyphenyl-α-3,4-dimethoxyphenylethane, needles, m. 138°, gives a yellow color with concentrate H2SO4; oxime, needles, m. 100-1°.
 IT 791829-94-2, m-α-Toluaniside, p-4'-dimethoxy- (preparation of)
 RN 791829-94-2 CAPLUS
 CN Benzeneacetamide, N-(3,4-dimethoxyphenyl)-4-methoxy- (9CI) (CA INDEX NAME)



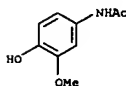
L10 ANSWER 1664 OF 1666 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1911:22230 CAPLUS
 DOCUMENT NUMBER: 5:22230
 ORIGINAL REFERENCE NO.: 5:3805a-c
 TITLE: Chloroguaiacols
 AUTHOR(S): Jona, Temistocle; Pozzi, G. B.
 CORPORATE SOURCE: Ist. chim. farm. tossic. r. univ. Pavia
 SOURCE: Gazzetta Chimica Italiana (1911), 41(I), 722-37
 CODEN: GCITA9; ISSN: 0016-5603
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 GI For diagram(s), see printed CA Issue.
 AB 5-Aminoguaiacol, HOC6H3(OMe)NH2, obtained by the reduction of HOC6H3(OMe)NO2 with Sn and HCl, grayish crystals, m. 125-7°, gives a reddish brown color with aqueous or alc. FeCl3; hydrochloride, greenish crystals. 1,5-Dibenzoyl-5-aminoguaiacol, m. 162-4°, is obtained from the base, NaOH and BzCl, while the hydrochloride, NaOAc and Ac2O
 form 5-acetyl-5-aminoguaiacol, m. 116-9°, and by the Sandmeyer reaction is obtained 5-chloroguaiacol, m. 161-3.5°, b760 237-9° (corrected), gives a yellow color with aqueous FeCl3; benzoate, needles,
 m. 56-8°; acetate, leaflets, m. 42-4°; ethyl ether, from the phenol, KOH and EtI, m. 49-51°. 4-Acetyl-4-aminoguaiacol, from the amino compound and Ac2O in dilute AcOH, m. 111-3°, gives through the diazo compound 4-chloroguaiacol, identical with the substance obtained by Peratoner and Ortoleva (Gazz. chim. ital., 1898, 1, 228) from guaiacol
 and SO2Cl2.
 IT 3251-55-6, Guaiacol, 4-acetamido- (preparation of)
 RN 3251-55-6 CAPLUS
 CN Acetamide, N-(4-hydroxy-3-methoxyphenyl)- (9CI) (CA INDEX NAME)



L10 ANSWER 1663 OF 1666 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1913:21684 CAPLUS
 DOCUMENT NUMBER: 7:21684
 ORIGINAL REFERENCE NO.: 7:3122a-c
 TITLE: Synthesis of Unsymmetrical Derivatives of Deoxybenzoin
 AUTHOR(S): Cain, John C.; Simonsen, John L.; Smith, Clarence
 CORPORATE SOURCE: E. London Coll., Madras
 SOURCE: Proc. Chem. Soc. (1913), 29, 172
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB p-MeOC6H4CH2COCOC2H (a) was prepared by a slight modification of Wakeman and Dakin's method (C. A., 5, 2512). The ethyl ester semicarbazone, needles, m. 152-3°. Oxidation of (a) with H2O2 in alkaline solution and esterification gave ethyl p-methoxyphenylacetate, b. 138-40°. Chloride of the acid, b10 143°; with o-C6H4(OMe)2 and AlCl3 in CS2 it gives β-keto-α-4-methoxyphenyl-β-3,4-dimethoxyphenylethane, MeOC6H4CH2COC6H3(OMe)2, needles, m. 118°; oxime, prisms, m. 143°, gives, with PCl5, p-methoxyphenylaceto-3,4-dimethoxyanilide, MeOC6H4CH2CONHC6H3(OMe)2, needles, m. 147-8°. Similarly, starting with the lactone of α-benzoylamino-3,4-dimethoxycinnamic acid, ethyl 3,4-dimethoxyphenylacetate was obtained,
 b25 191°. β-Keto-β-4-methoxyphenyl-α-3,4-dimethoxyphenylethane, needles, m. 138°, gives a yellow color with concentrate H2SO4; oxime, needles, m. 100-1°.
 IT 791829-94-2, m-α-Toluaniside, p-4'-dimethoxy- (preparation of)
 RN 791829-94-2 CAPLUS
 CN Benzeneacetamide, N-(3,4-dimethoxyphenyl)-4-methoxy- (9CI) (CA INDEX NAME)



L10 ANSWER 1665 OF 1666 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1907:1185 CAPLUS
 DOCUMENT NUMBER: 1:1185
 ORIGINAL REFERENCE NO.: 1:294c-f
 TITLE: Note on 3, 4, Diaminoguaiacol
 AUTHOR(S): Fichter, Fr.; Schwab, Julius
 CORPORATE SOURCE: Univ. Lab. of Basle
 SOURCE: Ber. (1907), 39, 3339-41
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB 4-Acetaminoguaiacyl acetate, AcO1C6H3(O2Me)N4HAc, silvery lustrous spangles, m. 149°. 4-Acetaminoguaiacol m. 118°. 3-Nitro-4-acet-aminoguaiacyl acetate, yellow, rhombic plates or needles, m. 158°. 3-Nitro-4-acet-aminoguaiacol, orange-red rods, m. 223°. c-Nitro-D-aminoguaiacol, light red needles, m. 169°-171°. 3-Nitro-4-benzylaminoguaiacyl benzoate, yellow, lustrous needles, m. 177°. The 3-nitro-4-amino- or 4-acetamino-derivatives when reduced yield 3,4-di-aminoguaiacol hydrochloride, which, with benzil, gives 2,3-diphenyl-7-hydroxy-8-methoxyquinoxaline, brown-red needles of metallic lustre, m. 235°. In presence of ammonia the diamine is oxidized by air to 1,9-dimethoxy-8-hydroxy-2,3-diamino-phenazine, black, lustrous needles. Green solution in concentrated sulphuric acid; water changes the color to blue, violet and red, successively. Alkali gives a reddish yellow color; alcohol a brown-red with green fluorescence. Vegetable and animal fibers are dyed brown-red.
 IT 3251-55-6, Guaiacol, 4-acetamido- (preparation of)
 RN 3251-55-6 CAPLUS
 CN Acetamide, N-(4-hydroxy-3-methoxyphenyl)- (9CI) (CA INDEX NAME)



ACCESSION NUMBER: 1907:1184 CAPLUS
 DOCUMENT NUMBER: 1:1184
 ORIGINAL REFERENCE NO.: 1:293e-1,294a-c
 TITLE: Peri-Aminonaphthol (5-Aminonaphthol)
 AUTHOR(S): Fichter, Fr.; Gageur, Rudolf
 CORPORATE SOURCE: Univ. Lab., Basel
 SOURCE: Ber. (1907), 38, 3331-39
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable

GI For diagram(s), see printed CA Issue.

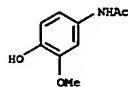
AB 8-Acetaminonaphthol, colorless broad plates or needles, m. 168°-169°, b16 170°-172°. Friedlander and Silberstein, who prepared probably the same compound in a different way, give 138° as the m. p. Nitroso derivative, brown-red needles, decomposes 175°-180°. 8-Benzoylaminonaphthol, almost colorless, slender needles, m. 193°-194°. 8-Formylaminonaphthol, reddish white needles, darkens and decomposes at 140°-150°. 4-Benzeneazo-8-acetaminonaphthol, AcN8CH16H3(O1H)N24Ph, dark red, metallic, lustrous needles, m. 215°-216°. 4,8-Diaminonaphthol, by the reduction of the preceding compound. Hydrochloride, C20H16ON22HCl, colorless needles. Triacetyl derivative unstable. Diacetyl compound, white needles, with 1H2O, m. 247°. 4,8-Diacetaminonaphthol acetate, small, colorless, stellate needles, m. 258°. It must be identical with a compound of Friedlander and v. Scherzer, m. 245°. Tribrom-μ-methylnaphtho-peri-oxazole dibromide, MeC C10H3Br32, B4, r25, by the action of bromine on acetaminonaphthol. Slender, yellow, interlaced needles, m. 235°. Tribrom-μ-methylnaphtho-perioxazole, from the preceding compound and stannous chloride. Colorless needles, m. 215°. Bromine regenerates the pentabrom compound. The corresponding μ-phenyl derivative, slender, lustrous needles, m. 234°. It does not form a bromine addition compound. Attempts to resolve the oxazole ring in these three compounds were unsuccessful. 8-Acetaminonaphthylacetate, AcNHC20H8OAc, colorless needles, m. 118°-5. Dilute sodium hydroxide converts this into 8-acetaminonaphthol. The monobrom derivative, C14H13O3NBr, m. 203°. In excess, bromine yields the oxazolepentabrom compound. 8-Benzoylaminonaphthylbenzoate, colorless needles, m. 206°-207°. 8-Acetamino-5-nitronaphthylacetate, long, pale yellow, lustrous needles, m. 224°. 8-Acetamino-5-nitronaphthol, red needles, m. 192°. It couples with diazonium compounds and when reduced gives a readily oxidizable diamino derivative but no anhydro base. 8-Acetaminonaphthyl methyl ether, colorless,

silvery

lustrous needles, m. 128°, b14 138°-140°. The monobrom derivative is crystalline, m. 124°. 8-Aminonaphthyl methyl ether, an oil, b14 180°-185°, rapidly darkens. Hydrochloride, crystalline. Picrate, greenish yellow needles, m. 172°. The β-naphthol azo derivative, dark violet-red, hexagonal plates, with metallic lustre, m. 177°. 8-Hydroxynaphthyl methyl ether, by boiling the preceding compound, yields a picrate, m. 173°. By means of the diazo reaction 8-aminonaphthol yields, according to the conditions, either α-naphthol or 8-amino-2-nitronaphthol, green needles, unmelted up to 250°. It gives a violet color with sodium hydroxide. When the diazonium compound is directly reduced there is formed 2,8P-diaminonaphthol hydrochloride, C19H16ON2·2HCl, colorless needles. The benzal derivative, C17H16ON2HCl, yellow needles, becoming dark brown in air. Triacetyl derivative, slender, colorless needles, m. 234°.

IT 3251-55-6, Guaiacol, 4-acetamido-
 (preparation of)

RN 3251-55-6 CAPLUS
 CN Acetamide, N-(4-hydroxy-3-methoxyphenyl)- (9CI) (CA INDEX NAME)



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L11 ANSWER 470 OF 490 CAPLUS COPYRIGHT 2005 ACS ON STN
ACCESSION NUMBER: 1962:449171 CAPLUS
DOCUMENT NUMBER: 57:49171
ORIGINAL REFERENCE NO.: 57:9785b-1,9785a-1,9787a-b
TITLE: Research in the indole series. VI. Some substituted
tryptamines
AUTHOR(S): Julia, Marc; Igolen, Jean; Igolen, Hanne
SOURCE: Bulletin de la Societe Chimique de France (1962)
1060-8
CODEN: BSCFAS; ISSN: 0037-8968

DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
GI For diagram(s), see printed CA issue.
AS A series of substituted 3-indolylacetic acids was prepared from secondary
aromatic amines and 4-bromo-3-oxo esters; the acids were converted via

the amides or the alcs. and bromides to the corresponding tryptamines. PhNH₂
(279 g.) and 185 g. PhCH₂CH₂Br (I) in 500 cc. dry xylene refluxed 12 h.
gave 151 g. PhNHCH₂CH₂Ph, b.p. 4 155-60°. p-MeOC₆H₄NH₂ (295 g.) and
148 g. I in 350 cc. xylene gave similarly 95 g. unreacted p-MeOC₆H₄NH₂

and 135 g. yellow-green oily p-MeOC₆H₄NHCH₂CH₂Ph (II), b.p. 170-5°; HCl
salt m. 127-8° (EtOH-Et₂O). p-MeOC₆H₄NH₂ (3 mol) and Ph(CH₂)₃Br
gave p-MeOC₆H₄NH(CH₂)₃Ph, b.p. 2 180-90°, needles, m. 44°
(EtOH); HCl salt, plates, m. 158-9° (H₂O); HBr salt, needles,
129° (EtOH). 4-Aminoveratrole gave similarly 89t
3,4-(MeO)₂C₆H₃NHCH₂CH₂Ph, b.p. 2 170-2° [HCl salt, plates, m.
142-5° (iso-PrOH)], and 3,4-(MeO)₂C₆H₃NHCH₂CH₂OMe-p, 72t, needles,
86.5° (EtOH); HCl salt m. 188° (EtOH). By the direct
bromination of the corresponding oxoesters were prepared the following
comps.: MeCHBrCOCH₂CO₂Et, 73t, b.p. 25 82-5°; BrCH₂COCH₂MeCO₂Et, 65t,
b.p. 2 80-5°; BrCH₂COCH₂MeCO₂Et, 95t, -(crude); BrCH₂COCH₂(OC₂H₅)CO₂Et,
66, b.p. 1 69-72°. II (209 g.) and 96.1 g. BrCH₂COCH₂CO₂Et (III)
diluted with cooling with 250 cc. dry Et₂O, filtered from 138 g. II.HBr,
evaporated, the residue refluxed 15 h. with 63 g. ZnCl₂ in 250 cc.

absolute EtOH, evaporated, treated with H₂O and C₆H₆, and the organic layer worked up
gave 113 g. Et ester (IV) of 1-phenethyl-5-methoxy-3-indolylacetic acid (V), b.p. 1
215-20°, yellow-orange oil, which refluxed 1-2 h. with KOHMeOH
yielded 73t V, m. 129-31° (aqueous EtOH); method A. III (50 g.) and
100 g. p-MeOC₆H₄NHCH₂CH₂Ph in 300 cc. absolute EtOH refluxed 40 h.,
evaporated, the

residue treated with H₂O and Et₂O, and the Et₂O phase worked up yielded
44.7 g. Et ester (VI) of 1-benzyl-5-methoxy-3-indolylacetic acid (VII),
b.p. 15 180-5°, yellow-orange oil, which saponified in the usual manner
yielded 84t VII, m. 128-5°; method B. VI was also obtained in 64t
yield by method A. In the same manner were prepared the following VIII

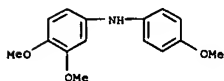
(X), R₁, R₂, R₃, R₄, method, 1 yield of Et ester, b.p./mm. or m.p. of Et
ester, 1 yield of free VIII, m.p., and m.p. of corresponding skatole given: H,
PhCH₂CH₂, H, H, H, A, 68, 204-8°/0.15, 90, 103° (C₆H₆) (IX),
-; 5-MeO, p-MeOC₆H₄CH₂, H, H, H, A, 55 (47t by method B),
220-8°/0.05 [m. 50-2° (EtOH)], 85, 116-18° (EtOH)
(XI), -; 5-MeO, Ph(CH₂)₃, H, H, H, A, 72, 230-5°/0.4 (XI), 50,
86° (Et₂O-petr. ether) (XII), -; 5,6-(MeO)₂, PhCH₂, H, H, H, A, 69,
215-25°/0.15 (m. 64-5°), 82, 141° (EtOH) (XIII),
81.5°; 5,6-(MeO)₂, p-MeO-C₆H₄CH₂, H, H, H, B, 82, 86-5.87°
(EtOH), 100, 127° (EtOH) (XIV), 102° (EtOH); 5-MeO, PhCH₂,
Me, H, H, A, 48, 201-5°/0.01 (m. 70.5-1.5°), 82,

L11 ANSWER 470 OF 490 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
136-8° (EtOH), 74; XII, 124-6° (EtOH-Et₂O), 70; XIII,
95-6° (Et₂O-petr. ether), 91; XIV, -- (hygroscopic), 42 [picrate m.
190-3° (EtOH)]; XV (XXII), 229-31° (EtOH), 52; XVI,
168-73° (EtOH-Et₂O), 68; XVII, 228-32° (EtOH-Et₂O), 73;
XVIII, 76-80° (iso-PrOH), 50. The 3-(2-Me₂NCH₂CH₂) analog HCl
salts of the following comps. (same data given): IX (XXIII),
199-200° (EtOH), 58; VII, 189-91° (EtOH), 50; X,
174-6° (EtOH), 55; V (XXIIIA), 122-4° (iso-PrOH-Et₂O), 60
(44) [methiodide m. 194-6° (EtOH), 75t]; XII, 143-5°
(EtOH-Et₂O), 66; XIII, -- (hygroscopic), 35 [picrate m. 172-4°
(EtOAc)]; XVIII, 193-4° (EtOH), 86. In the same manner were prepd.
the 3-(Et₂NCH₂CH₂) analog HCl salts of the following comps. (same data
given): IX (XXIV), 104-5° (EtOH-Et₂O), 72; X, --, 65 [picrate m.
88-9° (C₆H₆)]; V (XXV), 99-100° (EtOH-Et₂O), 60; XII, --
(hygroscopic), 45; XVIII, 167-9° (EtOH-iso-Pr₂O), 30.
1-Benzyl-5-methoxy-3-(2-piperidinoethyl)indole-HCl, m. 202-4°
(iso-PrOH), was obtained in 60t yield by heating the corresponding
3-(2-BrCH₂CH₂) analog (2 g.) with 1.5 g. piperidine in 65 cc. MeOH 15 h.
in a sealed tube at 100°. Similarly was prepd. the
3-(2-piperidinoethyl) analog HCl salt of X, m. 180-3° (iso-PrOH),
in 56t yield. VI (1.62 g.) and 0.32 g. N₂H₄.H₂O in 20 cc. abs. EtOH
refluxed 20 h., cooled, and filtered yielded 1.1 g. hydrazide of VII, m.
140° (EtOH). Similarly were prepd. the hydrazides of the following
acids (m.p. and 1 yield given): IX, 128-30° (EtOH), 50; X,
144-6° (EtOH), 61; V, 117-18° (EtOH), 68; XIII,
173.5° (EtOH), 63; XIV, 179-82° (EtOH), 82. VII (5.1 g.)
and 3.1 g. NaOAc in 10 cc. Ac₂O refluxed 18 h., cooled, worked up, and

the crude product (1.85 g.) chromatographed on Al₂O₃ gave 409 mg.
1-benzyl-5-methoxy-3-acetylindole, m. 62.5-3.5° (Et₂O-petr.
ether); 2,4-dinitrophenylhydrazones, orange prisms, m. 62.5-63°
(EtOAc); oxime (XXVI), prisms, m. 98.5-9.5° (C₆H₆-petr. ether).
Similarly was prepd. the 3-acetyl analog of XIII in 56t yield;
2,4-dinitrophenylhydrazones, m. 186° (EtOH). In the same manner as
XXI was prepd. the 3-(2-H₂NCH₂CH₂) analog HCl salt of VII, 71t, m.
190-2° (EtOH-Et₂O), and the 3-(PhCH₂NMeCH₂CH₂) analog HCl salt of
X, 32t, m. 160° (EtOH-Et₂O). The antiserotonin activities of XXI,
XXIII, XXIIIA, XXIV, and XXV were detd. XXI did not show any
tuberculostatic activity in vivo at the max. tolerable dose.

94026-98-9, p-Anisidine, N-(3,4-dimethoxyphenyl)-, hydrochloride
94026-99-0, p-Anisidine, N-(3,4-dimethoxyphenyl)-, hydrochloride
(preparation of)

RN 94026-98-9 CAPLUS
CN p-Anisidine, N-(3,4-dimethoxyphenyl)-, hydrochloride (7CI) (CA INDEX
NAME)



● HCl

RN 94026-99-0 CAPLUS

L11 ANSWER 470 OF 490 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
173-4° (EtOH) (XV), -; 5-MeO, PhCH₂, H, Me, H, A, 20,
200-10°/0.6, 45, 108° (Et₂O-petr. ether) (XVI), -; 5-MeO,
PhCH₂, H, Me, Me, A, 65, 210-30°/0.25 (m. 80°), 70,
151-2° (EtOH) (XVII), 58° (EtOH); H, PhCH₂, Me, Me, H, A, 26
(43t by method B), 178-81°/0.05, 63, 160-2° (aq. EtOH)
(XVIII), -; 5-MeO, PhCH₂, Me, Me, H, A, 41 (30t by method B),
190-3°/0.1 [m. 80-1° (MeOH)], 89, 148-51° (EtOH), -;
5-MeO, p-MeOC₆H₄CH₂, Me, Me, H, A, 28, 208-12°/0.1, 76,
159-60° (EtOH), -; IV (8 g.) in 80 cc. MeOH (satd. with NH₃)
heated 24 h. in a sealed tube at 105°, filtered, and evapd. gave
5.2 g. 1-phenethyl-5-methoxy-3-indolylacetamide (XIX), needles, m.
147-8° (abs. EtOH); method D. The amides were also prepd. by
heating the acid with urea; method C. XI (13.6 g.) in 200 cc. CHCl₃ and
4.26 g. Et₃N cooled to -5°, treated rapidly with 4.58 g. ClCO₂Et,
stirred 15 min., treated 5 min. with a stream of dry NH₃, kept 1 h. at
room temp., dild. with H₂O, and the CHCl₃ layer worked up gave 7.7 g.
amide of XII, needles, m. 124-5°; method E. Similarly were prepd.
the amides of the following comps. (m.p., 1 yield, and method given):

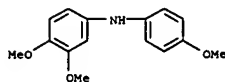
IX, 146-7° (C₆H₆), 70; C, VII, 156-7°, 70; C (69t by method E);
X, 138.5-9.5° (EtOH), 81; C (66t by method D); V, 147-8°
(EtOH), 74; D; XII, 1245° (C₆H₆-petr. ether), 57; E; XIII,
167-8° (EtOH), 67; D; XIV, 166° (EtOH), 95; D; XV,
129-30° (EtOAc-petr. ether), 70; C; XVI, 180.5-82° (EtOH),
39; C; XVII, 183° (EtOH), 81; E; XVIII, 163-4° (EtOH), 70,
C. By the same methods were prepd. the dimethylamides of the following
acids (same data given): IX, -- (oil), 80; E [picrate m. 84°
(EtOAc-petr. ether)]; V, --, 94; E; XII, --, 75; E [picrate m. 97°
(EtOAc-petr. ether)]]. The diethylamides of the following acids (same

data given): IX, 63-4° (Et₂O), 50; E [picrate m. 104-5°
(EtOH-Et₂O)]; V, --, 85; E [picrate m. 103-4° (EtOH-Et₂O)]; XII, --,
75; E [picrate m. 117° (EtOAc-petr. ether)]. X (0.5 g.) and 0.17
g. PhNH₂ in 5 cc. CH₂Cl₂ treated with 0.33 g. dicyclohexylcarbodiimide,
kept 16 h. at room temp., filtered from 0.26 g. dicyclohexylurea, treated
with AcOH to ppt. an addnl. 0.08 g. urea, and the filtrate worked up gave
0.4 g. anilide of X, m. 133° (aq. EtOH). VI (28 g.) in 100 cc.
Et₂O added gradually at 0° to 4 g. LiAlH₄ in 900 cc. Et₂O, refluxed
3 h., and worked up gave 21 g.

1-benzyl-3-(2-hydroxyethyl)-5-methoxyindole
(XX), b.p. 05 172-8°, m. 47-8° (Et₂O-petr. ether);
3,5-dinitrobenzoate, red crystals, m. 158-61° (EtOAc). Similarly
were prepd. the 3-(2-HOCH₂CH₂) analogs of the following comps. (b.p./mm.
and 1 yield given): X, 185-95°/0.05, 79 [3,5-dinitrobenzoate m.
169-71° (EtOH-Et₂O)]; XIII, 95-6° (EtOH-Et₂O-petr. ether), 91; V,
195°/0.1, 78 [picrate m. 79-81° (C₆H₆-petr. ether)]; XVIII,
89°, 65; XIV, 81-2° (Et₂O), 80. XX (3 g.) in 140 cc. dry
Et₂O treated dropwise at 0° with 1.8 g. Ph₃P in 30 cc. Et₂O, kept
16 h. at room temp., decanted, the residual resin extd. with Et₂O, and

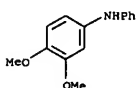
the ext. worked up gave 2.5 g. 1-benzyl-3-(2-bromoethyl)-5-methoxyindole,
prisms, m. 94-5° (abs. EtOH). Similarly were prepd. the
3-(2-BrCH₂CH₂) analogs of the following comps. (m.p. and 1 yield given):
V, --, 45; XIII, 77-8° (EtOH), 55; XVIII, 89°, 65. XIX (5.5
g.) and 1.4 g. LiAlH₄ in 500 cc. Et₂O refluxed 66 h. and worked up in the
usual manner yielded 1-phenethyl-5-methoxy-3-(2-aminoethyl)indole-HCl, m.
136-8° (abs. EtOH). Similarly were prepd. the 3-(2-H₂NCH₂CH₂)
analog HCl salts of the following comps. (m.p. and 1 yield given): IX
(XXI), 128-30° (EtOAc), 72; VII, 156-9° (EtOH-Et₂O), 74
[picrate m. 167-8° (EtOH)]; X, 162-4° (EtOH-Et₂O), 71; V,

L11 ANSWER 470 OF 490 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
CN Benzenamine, 3,4-dimethoxy-N-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)

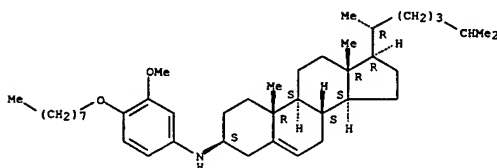


L11 ANSWER 471 OF 490 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1962:79563 CAPLUS
 DOCUMENT NUMBER: 56:79563
 ORIGINAL REFERENCE NO.: 56:15575e-1,15576a-f
 TITLE: Synthesis of A-norcholesterol-3(5)-en-2-one
 AUTHOR(S): Dauben, William G.; Boswell, George A.; Templeton, William H.
 CORPORATE SOURCE: Univ. of California, Berkeley
 SOURCE: Journal of the American Chemical Society (1961), 83, 5006-9
 CODEN: JACSAT; ISSN: 0002-7863
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 OTHER SOURCE(S): CASREACT 56:79563
 GI For diagram(s), see printed CA Issue.
 AB A-Norcholestan-2-one (I) (6.10 g.), 1.0 g. p-MeC6H4SO3H, and 100 mL. redistd. isopropenyl acetate was refluxed 72 h. with removal of Me2CO and occasional addition of isopropenyl acetate to maintain the volume at 75 mL.
 Solid NaHCO3 was added to the cooled mixture, which was then concentrated under reduced pressure, the residue dissolved in Et2O, washed, dried, evaporated, and chromatographed on Al2O3 to give 3.40 g. 2-acetoxy-A-norcholesterol-1-ene (II), m. 87-8° (EtOH), [α]25D 52.6° (c 1.22, CHCl3), v 1750, 1250 cm.-1 (CS2), and 2.81 g. unreacted I. II (631 mg.) in 30 mL. CCl4 in an ice-salt bath was stirred with 242 mg. Br in CHCl3 and the solution concentrated under reduced pressure to give 660 mg. 1a-bromo-A-norcholestan-2-one (III), m. 97-8° (EtOH), [α]25D 77° (c 1.04, CHCl3), λ 313 mμ (c 113), v (CS2) 1742 cm.-1. The optical rotatory curve in MeOH showed a peak at 348 mμ (+850) and a trough at 302 mμ (-125). III (1.32 g.) was heated 24 h. at 150° under N with 500 mg. anhydrous LiCl in 20 mL. HCONMe2, the cooled solution diluted with H2O, and filtered to give 1.0 g. A-norcholesterol-3(5)-en-2-one (IV) in 2 dimorphic forms (EtOH), prisms, m. 87-8°, and needles, m. 96-7°, λ (EtOH) 236 mμ (c 15,600), v (CS2) 1706, 1620 cm.-1 [α]25D -14.6° (c 1.41, CHCl3). ORD curve in dioxane showed a trough at 325 mμ (-1140) and a peak at 300 mμ (+1500); 2,4-dinitrophenylhydrazine m. 193-5° (EtOH-EtOAc), λ (CHCl3) 392 mμ (c 32,000). The NMR (n.m.r.) spectrum of II indicated a Δ1-enol, not a Δ3-enol, and this was confirmed by oxidation of II to the seco diacid (V). The n.m.r. spectrum of III indicated a 1-bromo-2-ketone with no adjacent protons. The configuration of III was 1a-bromo, since bromination of the enol acetate of 16-oxo steroids gives the α-isomer (Fishman and Djerassi, CA 54, 21196d). II (100 mg.) kept 18 h. at room temperature with 100 mg. CrO3 in 10 mL. AcOH and 1 mL. C6H6 gave 20 mg. 1,3-secocholestan-1,3-dioic acid (VI), m. 223-6° (Et2O-petr. ether), [α]25D 9.8° (c 0.55, CHCl3), identical with V from 1-cholesten-3-one (Tamm and Albrecht, CA 54, 24870e); di-Me ester m. 50-1° (MeOH), [α]25D 13.5 ± 2° (c 0.57, CHCl3). III (0.50 g.) in 30 mL. EtOH was stirred 1 h. at room temperature with 100 mg. NaBH4 in 20 mL. EtOH, the solution decomposed with dilute HCl, extracted with Et2O, the exts. washed, dried, evaporated, and the crude bromohydrins (270 mg.) refluxed 46 h. with 0.3 g. KOH in 30 mL. MeOH. The mixture was diluted with H2O, extracted with Et2O, the exts. washed, dried,

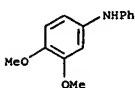
L11 ANSWER 472 OF 490 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1962:12827 CAPLUS
 DOCUMENT NUMBER: 56:12827
 ORIGINAL REFERENCE NO.: 56:2379a-c
 TITLE: Diphenylamines
 INVENTOR(S): Mueller, Werner; Brack, Alfred
 PATENT ASSIGNEE(S): Farbenfabriken Bayer A.-G.
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 PATENT INFORMATION:
 PATENT NO. KIND DATE APPLICATION NO. DATE
 DE 112290 DE 19590912
 GB 86472 GB
 AB Diphenylamine carboxylic acid derivs. were heated at 180-200° in enough aniline or aniline derivative to keep the mixture fluid until no more CO2 was discharged (12-24 hrs.). Thus, 4'-ethoxydiphenylamine-2-carboxylic acid (I) 100 and PhNMe2 (II) 120-300 parts was heated to 150-160° in 15-30 min., to 180° in 1-2 hrs., and to 200° in 2-3 hrs. (15 hrs. overall). I was recovered by distillation to leave almost pure 4-MeOC6H4NHPh (III). II 100 similarly heated with III 150-300 parts gave almost pure crystalline III on cooling. Other derivs. produced were:
 3-Eto, 2-Eto, 2-MeO, 4-Cl, 4-Ph, 2,4-(MeO), 3,6(Eto), 4,2-Cl(MeO), 3,4-(MeO)2, 2,4-Cl2, 4',3-Cl(Eto), and 4',3-Cl(MeO) derivs. of diphenylamine.
 IT 87853-73-4, Diphenylamine, 3,4-dimethoxy- (preparation of)
 RN 87853-73-4 CAPLUS
 CN Benzenamine, 3,4-dimethoxy-N-phenyl- (9CI) (CA INDEX NAME)



L11 ANSWER 471 OF 490 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 evapd., and the residue chromatographed on Al2O3 to give 55 mg. 1B,2B-epoxy-A-norcholestan-2-one (VII), m. 102-4° (MeOH), [α]25D 16° (c 0.67, CHCl3), and 100 mg. I. I (500 mg.) in 25 mL. EtOH was reduced with 10 mg. NaBH4 in 10 mL. H2O and the crude product chromatographed to give 472 mg. A-norcholestan-2B-ol (VII), m. 110-12° (dil. EtOH), [α]25D 23° (c 0.97 CHCl3); acetate m. 75-7° (Et2OMeOH), [α]25D 20° (CHCl3). A sample of VII, purified as the digitonide, showed no change in m.p., confirming the 2B-configuration. I (220 mg.) reduced with Na and isoPrOH gave 105 mg. 2B-isomer, pptd. by digitonin, and from the filtrate, the epimer, m. 125-8°, [α]25D 29° (c 0.86, CHCl3). VI (38 mg.) in 10 mL. Et2O was stirred 2 h. at room temp. with 100 mg. LiAlH4, the mixt. decompd. with EtOAc, dild. with H2O, extd. with Et2O, and the crude stanol mixt. (35 mg.) purified through the digitonide to give 27 mg. VII, m. 105-8°. VII was oxidized to I. IV (200 mg.) was hydrogenated with 5% Pd-C and 0.3 g. KOH in 30 mL. MeOH to give 133 mg. A-norcoprostan-2-one (VIII), m. 100-2° [α]25D -46° (c 1.08, CHCl3). Li (0.50 g.) was added with stirring during 30 min. to 0.28 g. IV in 20 mL. Et2O and 75 mL. liq. NH3. NH4Cl was added after 20 min., the NH3 evapd., the residue taken up in Et2O, washed, dried, evapd., and the crude product chromatographed to give 0.15 g. crude VIII, which on crystn. from EtOH gave 40 mg. pure VIII, m. 105-7°. To the enol lactone (IX) (cholestan-2-one deriv.) (0.713 g.) in 20 mL. 1:1 C6H6-Et2O was added 2 mol MeMgI in 5 mL. Et2O, the mixt. stirred 1 h., and after the usual workup, the product (685 mg.) chromatographed on Al2O3. Elution with 1:1 Et2O-petr. ether gave 166 mg. X, m. 117-18° (petr. ether), [α]25D 40° (c 1.17, CH-Cl3), v (CS2) 1700, 3415, 3570 cm.-1 IX (0.540 g.) in Et2O was added to 3 mol MeMgI and worked up as before to give 333 mg. XI, (m. 101-2° Me2CO), [α]25D 63° (c 2.67, CHCl3), and 140 mg. X.
 IT 96868-31-4, Cholest-5-en-3β-amine, N-[3-methoxy-4-(octyloxy)phenyl]- (preparation of)
 RN 96868-31-4 CAPLUS
 CN Cholest-5-en-3β-amine, N-[3-methoxy-4-(octyloxy)phenyl]- (7CI) (CA INDEX NAME)
 Absolute stereochemistry.



L11 ANSWER 473 OF 490 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1962:2426 CAPLUS
 DOCUMENT NUMBER: 56:2426
 ORIGINAL REFERENCE NO.: 56:479d-g
 TITLE: Diphenylamines and phenothiazines
 INVENTOR(S): Schmitt, J.
 PATENT ASSIGNEE(S): Etablissements Clin-Byla
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 PATENT INFORMATION:
 PATENT NO. KIND DATE APPLICATION NO. DATE
 FR 1173121 FR 19590220
 CASREACT 56:2426
 AB Substituted diphenylamines are prepared by heating a phenol with an aniline in an inert atmospheric in the presence of a dehydrating agent and a water entrainer. The diphenylamines are converted to the corresponding phenothiazines by heating with S. Thus, 225 g. m-chloroaniline is heated with 242 g. resorcinol, 16 g. ZnCl2, and 60 cc. xylene at 180-95° until 36 cc. H2O is recovered from the separator and the mixture worked up to give 300 g. 3-chloro-3'-hydroxydiphenylamine, b.p. 4 180-95°. Methylation with Me2SO4 gives the 3'-Me ether, b.p. 2 153-6°, which is heated at 170-5° with S and iodine to give 8-chloro-2-methoxyphenothiazine [CA numbering], m. 204-5°, b.p. 6 230-40° sublimes 190-5°; demethylation with pyridine-HCl gives the 2-HO analog, m. 250°. Similarly are prepared the following diphenylamine, (substituents given): 3-OH, 4'-OMe, b.p. 220-30°; 3-OMe, 4'-OMe, m. 68° b.p. 185-95°; 3-OH, 3'-OMe, b.p. 155-65°; 3-OAc, m. 89°; 2-OH, m. 57°; 3-OH, 3'-OMe, b.p. 189-91°; 3-OMe, 3'-OMe, b.p. 170-80°; 2-OH, 4'-OMe, b.p. 185-200°; 3-OH, 4'-Cl, m. 109-10°, b.p. 6 185-95°; 3-OMe, 4'-Cl, m. 79-80°, b.p. 7 167-72°. The following phenothiazines were prepared (substituents given): 1-OH, m. 133-4°; 1OMe, m. 98-9°; 2-OH, m. 213°; 2-OMe, m. 187-8°; 2OAc, m. 184°; 4-OMe, m. 98-9°; 2,7-di-OMe, m. 154°; 2,8-di-OMe, m. 174-5°; 2-OMe, 7-Cl, m. 176-7°.
 IT 87853-73-4, Diphenylamine, 3,4-dimethoxy- (preparation of)
 RN 87853-73-4 CAPLUS
 CN Benzenamine, 3,4-dimethoxy-N-phenyl- (9CI) (CA INDEX NAME)



L11 ANSWER 474 OF 490 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1958:58755 CAPLUS
 DOCUMENT NUMBER: 52:58755
 ORIGINAL REFERENCE NO.: 52:10581g-i, 10582g-h
 TITLE: Some disperse dyes derived from pyrocatechol dialkyl ethers
 AUTHOR(S): Kuroki, Nobuhiko; Nishiura, Ayaru; Konishi, Kenzo
 CORPORATE SOURCE: Osaka Prefect. Univ., Sakai
 SOURCE: Kogyo Kagaku Zasshi (1956), 59, 1053-6
 CODEN: KGKZAT; ISSN: 0368-5462
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB cf. Kuroki, et al., *ibid.*, 59, 909(1956). The monoazo dyes of the general

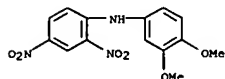
structure 3,4-(RO)2C6H3N:NC6H3(OH)Me-2,5 (I), obtained from 4-amino pyrocatechol dialkyl ethers and p-cresol, and dinitrodiphenylamine dyes of the general formula 3,4-(RO)2C6H3NHC6H3(NO2)-2,4 (II) were prepared, where R denotes Me, Et, Pr, or Bu or -OR-RO- represents -OCH2CH2O-. The dyeing properties (yellow to reddish yellow) on acetate rayon, Vinyon, and Amilan were compared and the absorption spectra given. I showed decreasing dyeing tendency with an increase of the length of alkyl group, the best dyeing properties being shown for acetate rayon followed by Amilan and Vinyon. The dibutyl derivative did not dye Vinyon. I,

where -OR-RO- is ethylene, which has a structure resembling Vinyon (formalized polyvinyl alc. fiber), did not show any particularly strong dyeing properties on Vinyon. The fastness to light of I was superior but that to washing was not high. Similar tendencies of dyeing properties were observed for II. Their fastness to light was lower than for I. The

m.ps. of the dyes are as follows: group I: R is Me 107-8°, Et 89-90°, Pr 75-6°, Bu 70-1°, -C2H4- 113-14°; group II: Me 174-5°, Et 169.0-9.5°, Pr 113.0-4.5°, Bu 81-2°, -C2H4- 147°.

IT 18885-63-7, Diphenylamine, 3',4'-dimethoxy-2,4-dinitro-101435-64-7, Diphenylamine, 3',4'-diethoxy-2,4-dinitro-101720-42-7, Diphenylamine, 2,4-dinitro-3',4'-dipropoxy-102240-83-5, Diphenylamine, 3',4'-dibutoxy-2,4-dinitro- (preparation and dyeing properties of)

RN 18885-63-7 CAPLUS
 CN Benzenamine, N-(3,4-dimethoxyphenyl)-2,4-dinitro- (9CI) (CA INDEX NAME)



RN 101435-64-7 CAPLUS
 CN Diphenylamine, 3',4'-diethoxy-2,4-dinitro- (6CI) (CA INDEX NAME)

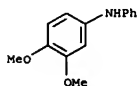
L11 ANSWER 475 OF 490 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1958:54972 CAPLUS
 DOCUMENT NUMBER: 52:54972
 ORIGINAL REFERENCE NO.: 52:9850e-g
 TITLE: Some derivatives of Variamin Blue suited for use as oxidation-reduction indicators
 AUTHOR(S): Erdey, L.; Zalay, E.; Bodor, E.
 CORPORATE SOURCE: Tech. Univ., Budapest
 SOURCE: Acta Chimica Academiae Scientiarum Hungaricae (1957), 12, 251-8
 CODEN: ACASAZ; ISSN: 0001-5407
 DOCUMENT TYPE: Journal
 LANGUAGE: German
 AB 4-Amino-4'-methoxydiphenylamine (I) forms a colorless aqueous solution

which upon addition of an oxidizing agent changes to a blue colored product (II) and eventually to a red colored quinone diimine (III). The potentiometric investigation of the dye indicated a reversible oxidation-reduction process. If a reducing agent is added to III it changes to II and eventually to the colorless solution of I. In the solid form, I did not

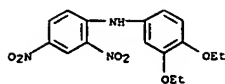
show any paramagnetic properties; this excluded the presence of free radicals. Various substituted derivs. of the basic compound were prepared some of which showed the properties of indicators. In some cases the substituents caused a shift of the potential to more neg. values.

IT 87853-73-4, Diphenylamine, 3,4-dimethoxy- (preparation of)

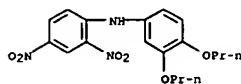
RN 87853-73-4 CAPLUS
 CN Benzenamine, 3,4-dimethoxy-N-phenyl- (9CI) (CA INDEX NAME)



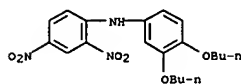
L11 ANSWER 474 OF 490 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 101720-42-7 CAPLUS
 CN Diphenylamine, 2,4-dinitro-3',4'-dipropoxy- (6CI) (CA INDEX NAME)



RN 102240-83-5 CAPLUS
 CN Diphenylamine, 3',4'-dibutoxy-2,4-dinitro- (6CI) (CA INDEX NAME)



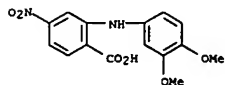
L11 ANSWER 476 OF 490 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1958:1930 CAPLUS
 DOCUMENT NUMBER: 52:1930
 ORIGINAL REFERENCE NO.: 52:384b-1, 385a-b
 TITLE: Some 9-amino-3-nitroacridine derivatives
 AUTHOR(S): Steck, Edgar A.; Buck, Johannes S.; Fletcher, Lynn T.
 CORPORATE SOURCE: Sterling-Winthrop Research Inst., Rensselaer, NY
 SOURCE: Journal of the American Chemical Society (1957), 79, 4414-17
 CODEN: JACSAT; ISSN: 0002-7863
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 OTHER SOURCE(S): CASREACT 52:1930

AB p-O2NC6H4OK in BuOH treated with BuBr yielded 68.5% p-O2NC6H4OBU (54-8% from BuI) which hydrogenated in MeOH over Raney Ni yielded 92.5% p-H2NC6H4OBU (I), b1 95-8°. I (33 g.), 35.3 g. powdered K2CO3, 36.3 g. 2,4-Cl(O2N)C6H3CO2H, and 0.5 g. Cu powder in 150 cc. pentanol refluxed 5 hrs. with stirring and steam distilled gave 64.5 g. 2,4-(p-BUOC6H4NH)(O2N)C6H3CO2H (II), orange blades, m. 197.3-7.8° (80% EtOH) (all m.ps. are corrected). II heated with POCl3 in PhMe gave 69% 7-butoxy-9-chloro-3-nitroacridine, golden brown needles, m. 159-60° (heptane). 4-Nitroveratrole (450 g.) in 1.4 l. EtOH hydrogenated at 25° and 50 atmospheric with 10% Pd-C, filtered, kept under N, and added together with 25 g. Cu powder and 25 g. Filter-Cel to 337 g. K2CO3, 492 g.

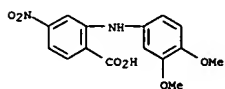
2,4-Cl(O2N)C6H3CO2H, and 0.5 l. H2O at 60°, yielded 392 g. 2,4-[3,4-(MeO)2C6H3NH](O2N)C6H3CO2H (III); free acid, m. 221-3.5°. III (356.3 g.) and 3.5 l. PhMe distilled with stirring to remove about 0.5 l.

solvent, and the residual mixture treated with stirring during 15 min. with 220 cc. POCl3 gave 230 g. 9-chloro-6,7-dimethoxy-3-nitroacridine (IV), yellow, m. 246-8°. 3,4-(CH2O2)C6H3NO2 hydrogenated in MeOH at 3 atmospheric over PtO2 yielded 88% 3,4-(CH2O2)C6H3NH2 (V), b1 85-6°, m. 44.5-5.5°. V treated with 2,4-Cl(O2N)C6H3CO2H and K2CO3 in the presence of Cu powder and Filter-Cel gave 91% 2,4-[3,4-(CH2O2)C6H3NH](O2N)C6H3CO2H (VI), garnet plates, m. 246-7° (60% MeOH with C). VI was cyclized with POCl3 to 63% 6,7-methylenedioxy analog of IV, yellow needles, m. above 300° (from PhCl). 1,4-Benzodioxan nitrated by the method of Herzjes, et al. (C.A. 37, 6207), yielded 80% 4-nitro-1,2-ethylenedioxybenzene (VII). VII in MeOH hydrogenated at 40° and 3 atmospheric with PtO2 yielded 69% 6,7-ethylenedioxy analog (VIII) of VI, golden needles, m. 249-50.5° (aqueous EtOH with C). VIII treated in PhMe with POCl3 yielded 86.5% 6,7-ethylenedioxy analog of IV, orange, m. 298.7-9.5° (PhCl). (CH2NH2)2 treated with propylene oxide yielded 48% MeCH(OH)CH2NH(CH2)2NH2, b3 88-91°, n25D 1.4744, and 21.5 g. [MeCH(OH)CH2NH(CH2)2]2, platelets, m. 147-7.5° (EtOH). (CH2NH2)2 and isobutylene oxide gave 58.5% Me2C(OH)CH2NH(CH2)2NH2, b2 89-93°, n25D 1.4670, and 22.5% [Me2C(OH)CH2NH(CH2)2]2, blades, m. 69.5-70° (hexane). HO(CH2)2NH(CH2)2CN reduced catalytically in ammoniacal EtOH yielded HO(CH2)2NH(CH2)2NH2, b1 105-7°, n25D 1.4837. Similarly was prepared Me2C(OH)CH2NH(CH2)2NH2, b4 102-6°, n25D 1.4672. Pimelonitrile in 10% ammoniacal EtOH hydrogenated at 60 atmospheric and 90° over Raney Ni yielded 88% H2N(CH2)7NH2 (IX), b1 52-4°. IX (33.3 g.) in 100 cc. 90% MeOH treated at -10° with stirring with 12 cc. liquefied ethylene oxide during about 0.5 hr. yielded 20.9 g. HO(CH2)2NH(CH2)7NH2, b1 164-8°, n25D 1.4751. PhOH (440 g.) and 220 g. IV stirred at 70° and treated with 123 g. Et2NCH2CH(OH)CH2NH2 at such a rate that the temperature did not exceed 95° yielded 56-65% 9-(3-diethylamino-2-hydroxypropylamino)-6,7-

L11 ANSWER 476 OF 490 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
 dimethoxy-3-nitroacridine, m. 223-5° (decompn.). Similarly were
 prepd. the following substituted 9-(substituted amino)-3-nitroacridine
 di-HCl salts (substituent, 9-amino substituent, 1 yield, appearance, and
 m.p. given): 7-BuO, Et2NCH2CH(OH)CH2NH (X), 58.5, scarlet microcrystals,
 182-4°; 7-BuO, HO(CH2)2NH(CH2)2NH, 76, orange platelets,
 290-2°; 6,7-di-MeO, HO(CH2)2NH(CH2)2NH, 71, scarlet needles,
 240-3°; 6,7-di-MeO, MeCH(OH)CH2NH(CH2)2NH, 78.5, orange
 microcrystals, 250-1°; 6,7-di-MeO, Me2C(OH)CH2NH(CH2)2NH, 70,
 orange needles, 253-7°; 6,7-di-MeO, HO(CH2)2NH(CH2)3NH, 68,
 brick-red microcrystals, 228-8.5°; 6,7-di-MeO, Me2C(OH)NH(CH2)3NH,
 73, brick-red needles, 235-5.5°; 6,7-di-MeO, HO(CH2)2NH(CH2)7NH,
 65.5, scarlet microcrystals, 238-9°; 6,7-(CH2O)2,
 Et2NCH2CH(OH)CH2NH, 62, orange prisms, 251-1.5°; 6,7-(CH2O)2,
 HO(CH2)2NH(CH2)2NH, 72.5, orange microcrystals, above 300° with
 charring at about 250°; 6,7-(CH2O)2, HO(CH2)2NH(CH2)2NH, 50, garnet
 needles, 236-8°; 6,7-(CH2O)2, Et2NCH2CH(OH)CH2NH, 74, russet
 microcrystals, 198-9°. All compds. except X melted with decompn.
 IT 7159-41-3, Anthranilic acid, N-(3,4-dimethoxyphenyl)-4-nitro-
 116571-18-7, Anthranilic acid, N-(3,4-dimethoxyphenyl)-4-nitro-
 potassium salt
 (preparation of)
 RN 7159-41-3 CAPLUS
 CN Benzoic acid, 2-((3,4-dimethoxyphenyl)amino)-4-nitro- (9CI) (CA INDEX
 NAME)

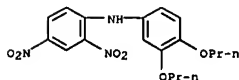


RN 116571-18-7 CAPLUS
 CN Anthranilic acid, N-(3,4-dimethoxyphenyl)-4-nitro-, potassium salt (6CI)
 (CA INDEX NAME)

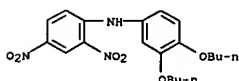


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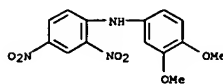
L11 ANSWER 477 OF 490 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



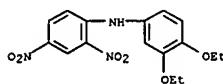
RN 102240-83-5 CAPLUS
 CN Diphenylamine, 3',4'-dibutoxy-2,4-dinitro- (6CI) (CA INDEX NAME)



L11 ANSWER 477 OF 490 CAPLUS COPYRIGHT 2005 ACS ON STN
 ACCESSION NUMBER: 1957:23743 CAPLUS
 DOCUMENT NUMBER: 51:23743
 ORIGINAL REFERENCE NO.: 51:4714h-i,4715a
 TITLE: The relation between structure of disperse dyes and
 their dyeing characteristics on synthetic fibers
 AUTHOR(S): Kuroki, Nobuhiko; Konishi, Kenzo
 CORPORATE SOURCE: Univ. Osaka
 SOURCE: Bulletin of University of Osaka Prefecture, Series A:
 Engineering and Natural Sciences (1956), 4, 123-38
 CODEN: BSKAAJ; ISSN: 0474-7844
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB cf. ibid. 2, 138 (1954). A series of 116 dyes are prepared. Monoazo dyes
 are obtained by coupling the diazo derivative of p-nitroaniline,
 2,4-dinitroaniline, and 2,6-dichloro-4-nitroaniline with a series of
 N,N-disubstituted anilines, 3-quinolins, 4-phenylmorpholines, and
 hexahydrocarbazoles. Several nitrodiphenylamine and aminoanthraquinone
 dyes are also prepared. Standardized dyeings are carried out with these
 dyes
 on acetate, vinylon, and nylon. The following conclusions were drawn:
 even on hydrophobic fibers too hydrophobic dyes do not give good
 dyeability. The presence of a proper hydrophilic group is an essential
 factor in obtaining good results, but only those which have a proper
 hydrophilic-hydrophobic balance give good dyeability. H-donating groups,
 e.g., hydroxyl, give favorable effects, but H-accepting groups, e.g.,
 cyano or carbonyl, give unfavorable effects. Not only nonpolar forces
 but
 also polar forces play an important part in dye-fiber attachment.
 IT 18885-63-7, Diphenylamine, 3',4'-dimethoxy-2,4-dinitro-
 101435-64-7, Diphenylamine, 3',4'-diethoxy-2,4-dinitro-
 101720-42-7, Diphenylamine, 2,4-dinitro-3',4'-dipropoxy-
 102240-83-5, Diphenylamine, 3',4'-dibutoxy-2,4-dinitro-
 (azo dyes from)
 RN 18885-63-7 CAPLUS
 CN Benzenamine, N-(3,4-dimethoxyphenyl)-2,4-dinitro- (9CI) (CA INDEX NAME)



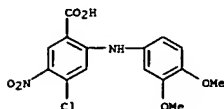
RN 101435-64-7 CAPLUS
 CN Diphenylamine, 3',4'-diethoxy-2,4-dinitro- (6CI) (CA INDEX NAME)



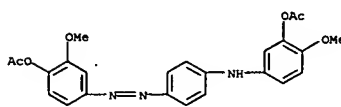
RN 101720-42-7 CAPLUS
 CN Diphenylamine, 2,4-dinitro-3',4'-dipropoxy- (6CI) (CA INDEX NAME)

L11 ANSWER 478 OF 490 CAPLUS COPYRIGHT 2005 ACS ON STN
 ACCESSION NUMBER: 1956:74036 CAPLUS
 DOCUMENT NUMBER: 50:74036
 ORIGINAL REFERENCE NO.: 50:13928c-i,13929a
 TITLE: Aminoacriquinone and its analogs
 AUTHOR(S): Grigorovskii, A. M.; Veselitskaya, T. A.
 SOURCE: Zhurnal Obshchei Khimii (1956), 26, 466-73
 CODEN: ZOKHAA; ISSN: 0044-460X
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB cf. C.A. 42, 910b. The favorable results obtained in applications of
 aminoacriquinone [2-methoxy-6-chloro-7-amino-9-(1-diethylamino-4-
 methylbutyl)aminoacridine-2HCl] to therapy of malaria and other diseases
 prompted the preparation of analogs. Treatment of 20 g. 2-methoxy-6,9-
 dichloroacridine in 120 mL. concentrated H2SO4 with 3 mL. HNO3 (d. 1.5)
 in 6 mL.
 concentrated H2SO4 at 25°, followed by 1.5 h. at 50° gave after
 aqueous treatment and solution in (CH2Cl)2 27% mixed 4- and 7-nitro
 deriva.:
 4-nitro isomer, m. 272-3° 7-nitro isomer, m. 211-12°.
 Hydrogenation of Me2NCH2-CH2C(=NOH)Me, b38-40 136-7°, in EtOAc over
 Raney Ni gave 49.2% Me2NCH2CH2CH2NH2, b. 132-7°, d20 0.8122, nD20
 1.4322. Hydrogenation of 166 g. Et2N(CH2)3-CH in 410 mL. 12% NaOH with
 Raney Ni at 20 atmospheric and 105° gave 80% Et2N(CH2)4NH2, b27 89-93°.
 Heating the various diamines with 2-methoxy-6,9-dichloro-7-nitroacridine
 in PhOH 2 h. at 100° followed by quenching in 10% NaOH gave the following
 9-substituted 2-methoxy-6-chloro-7-nitroacridines (group in 9 position
 shown): amino, red, m. 298-300°; 2-diethylaminoethylamino, red, m.
 187-8°; 3-diethylaminopropylamino, red, m. 150-1°;
 3-diethylamino-2-hydroxypropylamino, red, m. 145-6°;
 3-dimethylamino-1-methylpropylamino, red, m. 135-6°;
 4-diethylaminobutylamino, red, m. 133-4°. Even brief boiling of
 these in the form of HCl salts in H2O results in hydrolytic cleavage and
 formation of 2-methoxy-6-chloro-7-nitroacridine. Reduction of the
 7-nitro
 compds. with SnCl2 (loc. cit.) gave the following 9-substituted
 2-methoxy-6-chloro-7-aminoacridines (group in 9 position shown): amino,
 yellow-brown, m. 250-2° (di-HCl salt, decompose 304-6°);
 2-diethylaminoethylamino, yellow, m. 190-1° (di-HCl salt, decompose
 240-2°); 3-diethylaminopropylamino, yellow-green, m. 145-6°
 (di-HCl salt, decompose 280-2°); 3-diethylamino-2-hydroxypropylamino,
 yellow-green, m. 136-7° (di-HCl salt (I), decompose 272-4°);
 3-dimethylamino-1-methylpropylamino, yellow, m. 160-2° (di-HCl
 salt, decompose 272-4°); 4-diethylaminobutylamino, yellow, m.
 118.5-19.5° (di-HCl salt (II), decompose 268-70°).
 Condensation of 2-nitro-9-chloroacridine with 1-diethylamino-4-
 aminopentane in PhOH gave 2-nitro-9-(4-diethylamino-1-
 methylbutyl)aminoacridine, red, m. 90-1°, which reduced to the
 2-amino analog; di-HCl salt, yellow, m. 165-8°. Reaction of
 2,4-dichloro-5-nitrobenzoic acid with 4-aminoveratrole and
 3',4'-dimethoxy-4-nitro-5-chlorodiphenylamine-2-carboxylic acid, yellow,
 m. 240-2°, which with POCl3 gave 2,3-dimethoxy-6-chloro-7-nitro-9-
 chloro-acridine, yellow-green, m. 240-1°, which with
 1-diethylamino-4-aminopentane gave orange-red 2,3-dimethoxy-6-chloro-7-
 nitro-9-(1-diethylamino-4-methylbutyl)amino-acridine, m. 94-5°
 which reduced to the 7-amino analog, isolated as di-HCl salt, m.
 130-2°. Hydrogenation of 500 g. 2-methoxy-6-chloro-7-nitro-9-(1-
 diethylamino-4-methylbutyl)aminoacridine in 2.5L. Me2CO over Raney Ni at
 22-26° at 1 atmospheric 12-15 h. gave after filtration and acidification
 at
 4-5° with concentrated HCl in Me2CO 84% aminoacriquinone-2HCl, decompose

L11 ANSWER 478 OF 490 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 259-60. I and II showed antimalarial activity substantially above
 that of acridine.
 IT 855952-71-5, Anthranilic acid, 4-chloro-N-(3,4-dimethoxyphenyl)-5-
 nitro-
 (preparation of)
 RN 855952-71-5 CAPLUS
 CN Anthranilic acid, 4-chloro-N-(3,4-dimethoxyphenyl)-5-nitro- (5CI) (CA
 INDEX NAME)

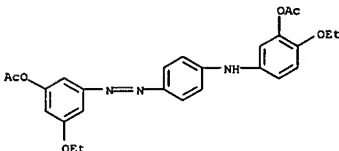


L11 ANSWER 479 OF 490 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1955:69065 CAPLUS
 DOCUMENT NUMBER: 49:69065
 ORIGINAL REFERENCE NO.: 49:13226g-i,13227a
 TITLE: Oxidations with phenyl iodosoacetate V. The oxidation
 of p-anisidine and p-phenetidine
 AUTHOR(S): Mitchell, Joan; Pausacker, K. H.
 CORPORATE SOURCE: Univ. Melbourne
 SOURCE: Journal of the Chemical Society, Abstracts (1954)
 4502-5
 CODEN: JCSAAZ; ISSN: 0590-9791
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 GI For diagram(s), see printed CA Issue.
 AB When p-MeOC6H4NH2 (I) or p-EtOC6H4NH2 (II) were treated with PhI(OAc)2 in
 C6H6 for 28 hrs., followed by chromatography on alumina, the following
 products were obtained: 4,4'-dialkoxyazobenzenes, m. 164° (5I) or
 m. 160° (6I), resp.; tetra-p-alkoxyazobenzenes
 [RN:C.CR:CH.C(:NR).CH:CR (R = p-alkoxyphenyl)], m. 234° or m.
 258° (about 1% each), resp.; p-benzoquinone bis-p-
 alkoxyphenylamines, m. 199° (III) (16I) or m. 178° (12I),
 resp.; and 3-acetoxy-4'-[3-acetoxy-4-alkoxyanilino]-4-alkoxyazobenzenes
 (structure not definitely proved), m. 175-6° (11I) or m.
 169° (5I) (IV), resp.; and from II N,N'-bis(p-
 ethoxyphenyl)phenylenediamine (5I). Quinol, I, CaCl2, and ZnCl2 were
 heated 13 hrs. in a sealed tube at 190-5°, worked up to yield N,
 N'-di-(4-methoxyphenyl)-p-phenylenediamine, m. 199.5°, which on
 oxidation either with chromic acid in AcOH or with PhI(OAc)2 gave III.
 Oxidation of II in HOAc with PhI(OAc)2 gave (p-EtOC6H4N)2 and probably
 IV. The possible mechanism for the reactions is discussed.
 IT 854733-65-6, Guaiacol, 4-(p-3-hydroxy-p-anisidinophenylazo)-,
 diacetate 855629-31-1, Phenol, 3-ethoxy-5-[p-(3-hydroxy-p-
 phenetidino)phenylazo]-, diacetate
 (preparation of)
 RN 854733-65-6 CAPLUS
 CN Guaiacol, 4-(p-3-hydroxy-p-anisidinophenylazo)-, diacetate (5CI) (CA
 INDEX NAME)

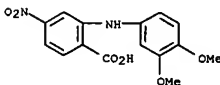


RN 855629-31-1 CAPLUS
 CN Phenol, 3-ethoxy-5-[p-(3-hydroxy-p-phenetidino)phenylazo]-, diacetate
 (5CI) (CA INDEX NAME)

L11 ANSWER 479 OF 490 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



L11 ANSWER 480 OF 490 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1951:24235 CAPLUS
 DOCUMENT NUMBER: 45:24235
 ORIGINAL REFERENCE NO.: 45:4247e-h
 TITLE: 6-Nitro-9-(3-diethylamino-2-hydroxypropylamino)-2,3-
 dimethoxyacridine
 AUTHOR(S): Miller, Charles S.; Wagner, Charlotte A.
 SOURCE: Journal of Organic Chemistry (1948), 13, 891-4
 CODEN: JOCEAH; ISSN: 0022-3263
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB The compound named is synthesized by standard methods. 2,4,1-
 Cl(O2N)C6H3CO2H (I) is prepared by the series of reactions:
 o-H2NC6H4Me → 4,2,1-O2N(H2N)C6H3Me (77I) [or p-O2NC6H4Me]
 → 2,4,1-Cl(O2N)C6H3Me (64I) → I (42I). 1,3,4-H2NC6H3(OMe)2
 (II) is prepared as follows: o-C6H4(OMe)2 →
 1,3,4-O2NC6H3(OMe)2 (96I) → II (54I). AmOH with I and K2CO3 at the
 b.p., then cooling to 95°, adding II and Cu, and keeping
 successively at 95-100° (10 hrs.) and overnight gives
 4-nitro-2-(3,4-dimethoxyanilino)-benzoic acid (III) (34.3%), m.
 227.5-8°, and some p-O2NC6H4CO2H. III with POCl3 at the b.p. (2.5
 hrs.) affords 9-chloro-6-nitro-2,3-dimethoxyacridine (C.A. numbering)
 (70.7%), m. 252-3° (decomposition, depends on rate of heating),
 converted by PhOH at 85-90° and then gradually adding
 NH2CH2CH(OH)CH2Net2 at 85-90° (25 min.) and keeping at this temperature
 (1.5 hrs.) into 6-nitro-9-(3-diethylamino-2-hydroxypropylamino)-2,3-
 dimethoxyacridine (67I), m. 168-9° (+H2O, m. 109-15°)[di-HCl
 salt + 2H2O, m. 219-20° (decomposition)].
 IT 7159-41-3, Anthranilic acid, N-(3,4-dimethoxyphenyl)-4-nitro-
 (preparation of)
 RN 7159-41-3 CAPLUS
 CN Benzoic acid, 2-[(3,4-dimethoxyphenyl)amino]-4-nitro- (9CI) (CA INDEX
 NAME)

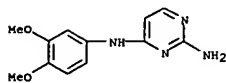


L11 ANSWER 481 OF 490 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1944:33307 CAPLUS
DOCUMENT NUMBER: 38:33307
ORIGINAL REFERENCE NO.: 38:4952h-1, 4953a-b
TITLE: Arylaminoheterocyclic compounds. II.
Arylaminoimidines
Banks, C. Kenneth
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY (1944), 66,
1131
CODEN: JACSAT; ISSN: 0002-7863

DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB PhNH₂ and 2-amino-4-chloropyrimidine (0.1 mol each) and 1 mL HCl in 100 mL H₂O, refluxed 30 min. and the product made strongly alkaline with 10 N

NaOH, give 92% of 2-amino-4-anilinopyrimidine, m. 155-6° (m. ps. corrected); solution in glacial AcOH and precipitation with ether give the diacetate, m. 170°; heating, in vacuo, or solution of the base in dilute AcOH gives the monoacetate, m. 176-8°; alc. HCl with addition of 5 vols. AcOEt gives the HCl salt, m. 184-5°. The following 4 substituted 2-aminopyrimidines were similarly prepared: 2,6-dimethylanilino, m. 186-7°; 4-phenylanilino, m. 193-5°; 2-isomer, m. 130-2°; 1-naphthylanilino, m. 133-4°; morpholino, m. 157-61°; 4-acetylanilino-HCl, m. 275-6°; 4-acetamidooanilino-HCl, m. 299-300°; 3,4-dimethoxyanilino-HCl, m. 270°; 4-methoxyanilino-HCl, m. 276-8°; 2,6-dihydroxyanilino-2HCl, m. 123-4°; 2-hydroxyanilino-2HCl, m. above 200°; 3-isomer-HCl, m. 178-80°; 4-isomer, m. 245-7° (decomposition) (HCl salt, m. 275-7°); 4-carboxyanilino, m. 295-7° (decomposition) (diethylaminoethanol ester-3HCl, m. above 250°); 2-carboxyanilino (Na salt), m. above 250°. 4-Amino-2-anilinopyrimidine-HCl, m. 149-50°; 2-amino-4-anilino-6-methylpyrimidine, m. 170-2°; 2,4-dianilinopyrimidine, m. 136-8° (HCl salt, m. 194-5°).

IT 861031-46-1, Pyrimidine, 2-amino-4-(3,4-dimethoxyanilino)-, -HCl (preparation of)
RN 861031-46-1 CAPLUS
CN Pyrimidine, 2-amino-4-(3,4-dimethoxyanilino)-, -HCl (4CI) (CA INDEX NAME)



● HCl

L11 ANSWER 482 OF 490 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
obtained in 92% yield. Its HCl salt, m. 240°; Ac deriv., m. 133°; Bz deriv., m. 178°. When it is heated with CO₂KCO₂H for 1 h. at 120°, the acid oxalyl deriv., m. 168°, is obtained. When 2 g. II, HCl, 2 g. urea and 20 cc. H₂O are refluxed for 30 min. and the hot soln. is filtered after 45 min., 3,4-dimethoxyphenylurea (VIII), m. 210°, crystallizes. The residue of the hot filtrate is extd. with EtOH and the insol. portion, after recrystn. from PhMe, m. 313° and is sym-di-(3,4-dimethoxyphenyl)urea from the alc. ext. the asym. compd., m. 210°, is obtained. Acetylation of VIII with Ac₂O and pyridine yields sym-acetal-3,4-dimethoxyphenylurea, m. 227°. Acylation of VIII with PhCH₂COCl and pyridine gives sym-phenylacetyl-3,4-dimethoxyphenylurea, m. 249°. With homoveratroyl chloride and pyridine, VIII gives sym-homoveratroyl-3,4-dimethoxyphenylurea, m. 256°. When dry HCl is bubbled into a mixt. of 20 g. veratrole, 5 g. paraformaldehyde and 10 g. ZnCl₂, there seps. a white product, m. 235°, which is believed to be 2,3,6,7-tetramethoxy-9,10-dihydroanthracene. 6-Nitroveratraldehyde (IX), m. 133°, is best prepd. by slowly adding 15 g. veratraldehyde to 100 cc. concd. HNO₃ at 15-20° in the course of 30 min. with exclusion of light. On bubbling dry HCl into a mixt. of IX and formamide at 45-50°, it becomes solid. After washing it with EtOH and cryst. from H₂O, 6-nitroveratrylideneformamide (X), m. 195-5°, is isolated. Redn. of X with Zn dust and AcOH gives 6,7-dimethoxyquinazoline, m. 143°; HCl salt, m. 227°. Oxidn. of IX according to Pechorr and Sumuleanu, (Ber. 32, 3412(1899)) gives 6-nitroveratric acid (XII), m. 189-90°; Et ester (XIII), m. 99-5°; chloride, prepd. with SOCl₂, m. 88-9°; amide, m. 193°. The latter, when treated with P₂O₅, gives the nitrile, m. 168°, which could not be made to react with BuMgBr or PhMgBr. When the oxidn. of IX is carried out with

an insufficient amt. of KMnO₄, a mixt. of XI with 6-nitroveratric acid (XII), m. 189-90°, is obtained which is sepd. by fractional crystn. from H₂O. A product, the anal. of which agrees with that of Et ester of XII, is obtained on catalytic redn. of XII with Pd and m. 70°. When 5 g. XII in 10 cc. AcOEt is treated with 0.7 g. Na, Et 6-nitroveratroylacetate, m. 73°, is obtained. On mild hydrolysis, 6-nitroveratroylacetic acid (XIV), m. 219°, is obtained. When XIV is refluxed for 30 h. with a satd. soln. of Ba(OH)₂, the soln. then acidified and steam distd., no volatile substance is obtained, but a compd. m. 165°, is isolated, the anal. and chem. properties of which agree with those of chloronitroacetovanillone or -isovanillone. Redn. of XI with (NH₄)₂SO₄.FeSO₄ gives 30% 6-aminoveratric acid (XV), m. 186°. Redn. of XI with the Adams Pt catalyst gives better yields of XV. Its Et ester (III), m. 88°, is best prepd. by catalytic redn. of XII. Formylation of XV with HCO₂Et at 130° for 4 h. yields Et 6-aminoveratroylformate (IV), m. 70°. When IV is kept at 40° for 3 h. in 10% KOH soln., filtered, neutralized with HCl and then extd. with Et₂O, 5,6-dimethoxyisatin, m. around 180-95°, is formed. When III is treated with AcOEt to effect a Claisen condensation there is obtained 70% Et 6-aminoveratroylacetate, m. 130°, which on careful sapon. gives 6-acetaminoveratric acid (XVI), m. 233°. When a soln. of XVI in Ac₂O is concd., 6,7-dimethoxyacetanthranil seps. as

fine needles which, when boiled for 20 min. with 10 N NH₄OH contg. 1 drop KOH, yield 2-methyl-6,7-dimethoxy-4-quinazoline, m. 312°. 6-Phenylacetaminoveratric acid (XVII), m. 226°, is prepd. by gradually adding 1.5 g. PhCH₂COCl to 1.4 g. XV in 6.5 cc. satd. AcONa soln. at 0°. With Ac₂O, XVII gives benzylidimethoxyanthranil which, on treatment with NH₄OH, is converted into 2-benzyl-6,7-dimethoxy-4-quinazoline, m. 253°. XV and bromoveratroyl chloride give

L11 ANSWER 482 OF 490 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1939:29876 CAPLUS
DOCUMENT NUMBER: 33:29876
ORIGINAL REFERENCE NO.: 33:4252d-1, 4253a-1, 4254a-b
TITLE: Quinazolines. XIV. The synthesis of some new quinazoline derivatives of veratrole akin to

alkaloids
Fetscher, Charles A.; Bogert, M. T.
JOURNAL OF ORGANIC CHEMISTRY (1939), 4, 71-87
CODEN: JOCEAH; ISSN: 0022-3263

DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
OTHER SOURCE(S): CASREACT 33:29876

AB cf. C. A. 30, 7577.7. An attempt has been made to synthesize true papaverine analogs of the quinazoline series, but so far without success. The expts. have, however, led to interesting products which are reported. The application of the Pictet papaverine synthesis in the quinazoline series has failed. Since veratrole deriva. react quite differently from unmethoxylated benzene, Ac, phenylacetyl and bromoveratroyl deriva. of 3,4-dimethoxyphenylurea were prepared but they cannot be condensed to quinazolones. The Riedel quinazoline synthesis (Ger. pat. 174,941 (1905))

gives 6,7-dimethoxyquinazoline in good yield with 6-nitroveratraldehyde but does not work with ketones under the conditions used. o-Aminodesoxyveratrolin (I) could not be prepared by direct nitration of desoxyveratrolin and reduction, for the NO₂ enters in the o-position to the CH₂ group and not to the CO group. Also the attempt to prepare I from 6-nitroveratrolin and veratryl-MgCl (cf. Pachorr and Decker, Ber. 37, 3404(1904)) failed. The preparation of veratryl chloride by the Blanc process

gives tetramethoxydihydroanthracene. The possibility of preparing I from the Na compound of 6-nitroveratroylacetic ester and a 4-haloveratrole is hindered by the unreactivity of these halogen compds. Formylation of 4-aminoveratrole (II) and of Et 6-aminoveratrate (III) is unsuccessful. When III is heated with HCO₂Et in a sealed tube it gives Et 6-aminoveratroylformate (IV) as shown by hydrolysis to 6-aminoveratric acid and 6-aminoveratraldehyde and its conversion into the corresponding dimethoxyisatin. With AcOEt III gives Et acetaminoveratrate. The latter is converted into the corresponding dimethoxyacetanthranil and 2-methyl-6,7-dimethoxy-4-quinazoline. In a similar way, anthranil and quinazolones are prepared from the analogous 6-phenylacetamino- and 6-bromoveratroylaminoveratric acids. Condensation of 6-nitroveratraldehyde with bromoveratric acid gives α-(3',4'-dimethoxyphenyl)-3,4-dimethoxy-6-nitrocinnamic acid (V). Addition of

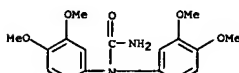
HBr to V gives only gums. Benzoyleneurea cannot be reduced by any means and the reduction of 2,4-dichloroquinazoline by red P and HI gives only minute yields

of dihydroquinazoline. Quinazoline is reduced by 4% NaHg to 1,2,3,4-tetrahydroquinazoline, m. 191-2°, in 80% yield. Nitration of 4-chloroveratrole with concentrated HNO₃ at room temperature yields 4-chloro-5-nitroveratrole (VI), m. 118°. Heating VI with a saturated solution of NH₃ in absolute EtOH for 10 h. at 130° gives 4-amino-5-nitroveratrole, m. 171°. When 4-nitroveratrole is refluxed with 5 cc. SOCl₂ for 30 min. and the mixture is decomposed with

50% EtOH, 4-nitro-6-chloroveratrole (VII), m. 95°, is obtained. When VII is reduced with Sn and HCl, 4-amino-6-chloroveratrole, m. 89°, is formed. By catalytic reduction of 4-nitroveratrole, II, m. 86°, is

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6-homoveratroylaminoveratric acid, m. 241°, which gives with Ac₂O veratryldimethoxyanthranil. The latter is converted with NH₄OH into 2-veratryl-6,7-dimethoxy-4-quinazoline, m. 269°. α-(3',4'-Dimethoxyphenyl) - 3,4 - dimethoxy - 6 - nitrocinnamic acid (XVIII) is obtained when 1 g. Na homoveratrate, 0.75 g. IX and 10 cc. Ac₂O are heated for 2.5 h. at 105°. The excess of Ac₂O is destroyed by addn. of a few cc. hot H₂O and the mixt. poured into 200 cc. 2 N HCl. The ppt. is filtered and the product purified. The yield is 60%. XVIII m. 187°.

IT 854643-66-6, Urea, 1,1-bis(3,4-dimethoxyphenyl)-
(preparation of)
RN 854643-66-6 CAPLUS
CN Urea, 1,1-bis(3,4-dimethoxyphenyl)- (4CI) (CA INDEX NAME)



L11 ANSWER 483 OF 490 CAPLUS COPYRIGHT 2005 ACS ON STN
ACCESSION NUMBER: 1938:53345 CAPLUS
DOCUMENT NUMBER: 32:53345
ORIGINAL REFERENCE NO.: 32:7460h-1,7461a-e
TITLE: Heterocyclic compounds derived from catechol ethers.
I. Some derivatives of 6,7-dimethoxyquinoline
Lions, Francis
AUTHOR(S): Journal and Proceedings of the Royal Society of New
SOURCE: South Wales (1938), 71, 242-50
CODEN: JPRSAS; ISSN: 0035-9173
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB cf. C. A. 32, 3351-8. 4-Aminoveratrole (I) (15.3 g.), dissolved in 35
cc.

cond HCl, was condensed with 20 g. paraldehyde in the presence of 5 g.
ZnCl₂ to give 8 g. of 2-methyl-6,7-dimethoxyquinoline, m. 103° from
petr. ether (cf. Rilliet, C. A. 16, 3885); the base readily forms a
picrate, m. 217°, methiodide, m. 241°, and an ethiodide;
reduction of the base with Na and EtOH gives the corresponding
1,2,3,4-tetrahydro derivative, the Ac derivative which showed the

brucine reaction
with HNO₃. Condensation of 15.3 g. I with 13.0 g. AcCH₂CO₂Et in the cold
with a trace of HCl gave practically a quant. yield of Et
β-(3,4-dimethoxyanilino)crotonate, m. 61°; 10 g. of ester was
readily cyclized by dropping into paraffin oil (60 g.) preheated to
270°, giving 70% of 2-methoxy-4-hydroxy-6,7-dimethoxyquinoline, m.
280°. In a similar way 9 g. of 3,4-diethoxyaniline (II) and 6.5 g.
AcCH₂CO₂Et were condensed with HCl to Et β-(3',4'-
diethoxyanilino)crotonate, an oil which could not be induced to
crystallize but was readily cyclized in paraffin heated to 280° to
2-methyl-4-hydroxy-6,7-diethoxyquinoline, m. 211° from alc., in a
50% yield. I (5 g.) in 4 times its weight of AcCH₂CO₂Et (20 g.)

previously
heated to 160°, and maintained at this temperature for 5 min., gave 60%
of 4-aceto-4-acetaminoveratrole, m. 59°, which with 4 times its weight
of concentrated H₂SO₄ readily yields

2-hydroxy-4-methyl-6,7-dimethoxyquinoline,
m. 235°. Condensation of 15.3 g. I with 17 g. of Et
cyclohexanone-2-carboxylate in the presence of 1 drop of 5 N HCl yielded
90-5% of Et 2-(3',4'-dimethoxyanilino)-1-cyclohexene-1-carboxylate (III),
m. 72°; the latter (16 g.), in paraffin previously heated to
270°, is immediately cyclized in 80% yield to 5-hydroxy-7,8-
dimethoxy-1,2,3,4-tetrahydroacridine, m. above 300°. In a similar
way, 9 g. II and 8.5 g. III in the presence of a trace of HCl give quant.
Et 2-(3',4'-diethoxyanilino)-1-cyclohexene-1-carboxylate, m. 44°,
which, in paraffin oil previously heated to 280°, is immediately
cyclized in 70% yield to 5-hydroxy-7,8-diethoxy-1,2,3,4-
tetrahydroacridine, m. 281°. I (5.1 g.) and 5.4 g. BrCH₂Ac melted
in a H₂O bath were condensed with a trace of HCl to give a practically
quant. yield of a Schiff base which is almost certainly
β-(3,4-dimethoxyanilino)propenyl Ph ketone, m. 100°; the
latter (6 g.) in 20 cc. cold concentrated H₂SO₄ is cyclized in 80-90%

yield to
2-methyl-4-phenyl-6,7-dimethoxyquinoline, m. 142°. Attempts to
prepare 2-phenyl-4-methyl-6,7-dimethoxyquinoline from
6-aminoacetoveratrole

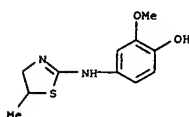
and PhOMe in aqueous alc. or alc. KOH were unsuccessful.
IT 854432-43-2, 1-Cyclohexene-1-carboxylic acid, 2-(3-
4-diethoxyanilino)-, Et ester 854433-27-5, 1-Cyclohexene-1-
carboxylic acid, 2-(3,4-dimethoxyanilino)-, Et ester
(preparation of)

L11 ANSWER 484 OF 490 CAPLUS COPYRIGHT 2005 ACS ON STN
ACCESSION NUMBER: 1936:36773 CAPLUS
DOCUMENT NUMBER: 30:36773
ORIGINAL REFERENCE NO.: 30:4859a-c
TITLE: Thiazolinephenols. Their synthesis and structure
proof
AUTHOR(S): Niederl, Joseph B.; Hart, Wm. F.; Scudi, John V.
SOURCE: Journal of the American Chemical Society (1936), 58,
707-8
CODEN: JACSAT; ISSN: 0002-7863
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB CH₂:CHCH₂NCS (0.5 mol.) and 1 mol. PhOH, treated with 1 mol.
concentrated H₂SO₄,

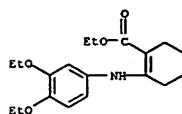
at 0-5° and allowed to stand 24 hrs. at 0° and 3 days at
room temperature, give 5-methyl-2-(4'-hydroxyphenyl)-thiazoline (I), m.
166-8° (HCl salt, m. 187°; picrate, m. 178°);
oxidation with KClO₄ gives p-HOC₆H₄CO₂H and H₂NCH₂CHMeSO₃H; intermediate
products assumed are CH₂:CHCH₂N:C(HS)OPh and MeCH₂.S.C(OPh):N.CH₂.
2-(2'-Methyl-4'-hydroxyphenyl) analog of I, m. 131° (HCl salt, m.
175°; picrate, m. 154°); 2-(4'-hydroxy-3'-methoxyphenyl)
analog, m. 142° (HCl salt, m. 187°; picrate, m.
159-60°); 2-(2',4'-dihydroxyphenyl) analog, m. 184° (HCl
salt, m. 251°; picrate, m. 190°).

IT 858008-81-8, Δ²-Thiazoline, 2-(4-hydroxy-3-methoxyanilino)-5-
methyl-
(and salts)

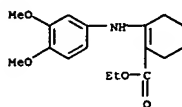
RN 858008-81-8 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



L11 ANSWER 483 OF 490 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
RN 854432-43-2 CAPLUS
CN 1-Cyclohexene-1-carboxylic acid, 2-(3,4-diethoxyanilino)-, Et ester (4CI)
(CA INDEX NAME)



RN 854433-27-5 CAPLUS
CN 1-Cyclohexene-1-carboxylic acid, 2-(3,4-dimethoxyanilino)-, Et ester
(4CI)
(CA INDEX NAME)



L11 ANSWER 485 OF 490 CAPLUS COPYRIGHT 2005 ACS ON STN
ACCESSION NUMBER: 1936:29036 CAPLUS
DOCUMENT NUMBER: 30:29036
ORIGINAL REFERENCE NO.: 30:3822d-1,3823a-1,3824a-c
TITLE: Acridine compounds and their antimalarial action. I
AUTHOR(S): Magidson, O. Yu.; Grigorovskii, A. M.
SOURCE: Ber. (1936), 69B, 396-412
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
GI For diagram(s), see printed CA Issue.
AB The study of quinoline compds. from the standpoint of their use as
antimalarial agents (C. A. 29, 7013.2; 30, 1514.7; and earlier papers)

has
brought out numerous interesting relationships between chemical
structure and
therapeutic effect. In view of the close analogy between quinoline and
acridine compds., and especially of the fact that an acridine derivative,
atebrin (I) (Ger. pat. 571,449), has been found to be an excellent
antimalarial, the study of the relationships found in the quinolines has
been extended to the acridines. The compound II has no therapeutic
effect;
its chemotherapeutic index I (maximum tolerated dose (DMT)/min. curative
dose
(DMC)) is 0, but if the NO₂ group is changed from the 6- to the
7-position, I becomes 1.5. If the NO₂ group is replaced by Cl, there is
obtained a series of extraordinarily active compds. of the type III, for
which I = 8, 15, 20, 6, when n = 2, 3, 4, 5, resp. Where CH₂CH(OH)CH₂ is
substituted for (CH₂)_n, I = 6; this marked diminution of therapeutic
activity by increasing the hydrophilic properties of the compound occurs
only when Cl (electropos. substitution) is present on the nucleus; with
NO₂ (electroneg. substitution) on the nucleus, introduction of HO in the
side chain raises the value of I. Absence of substituents in positions 6
or 7 completely annuls therapeutic activity. Increase in mol. weight of

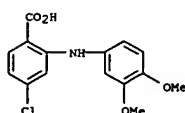
the
2-alkoxy group results in a decrease of I. This 2-alkoxy group plays an
important role (probably because the acridine is excreted as
2-hydroxyacridone); replacement of MeO by Me lowers the value of I and
introduction of a 2nd MeO group in position 3 brings I down to 0. An
α-Me group in the side chain also lowers I. The DMT (dilution of 1 cc.
of solution injected into the blood of a bird infected with Plasmodium
precox) is 200, 300, 500, 600, and the DMC 1500, 3000, 6000, 3000,
3000, for n = 2, 3, 4, 5, 6, resp. For MeO and EtO in position 2, DMT is
200, 400 and DMC is 3000, 3000. This decrease in I with increase of the
2-alkoxy group and with increase (beyond 4) of n is probably related with
the tendency to split off which increasing radicals exhibit in the
organism under the influence of enzymes. The decomposition of these

acridine
compds. begins with a splitting off of the diamine chain and the
formation
of acridone. Thus I (III with CHMeCH₂CH₂CH₂ instead of (CH₂)_n on
boiling
deposits after some hrs. an appreciable amount of 2-methoxy-6-
chloroacridone. With HCl under pressure the decomposition follows
another
course; after 4 hrs. with concentrated HCl at 120-5° there are obtained
considerable 2-methoxy-6-chloro-9-aminoacridine and a base soluble in
aqueous
alkali which is presumably the 2-HO compound. The hydrolysis takes place
with special ease when the 9-substituent is a secondary amine residue;
the
HCl salt of the 9-N(CH₂CH₂CH₂NET₂)₂ compound hydrolyzes in cold aqueous
solution

L11 ANSWER 485 OF 490 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
and after standing some hrs. deposits 2-methoxy-6-chloroacridone. The ability of the HCl salts to crystallize decreases with increasing length of the side chain. In prep. these compds., advantage was taken of the great lability of Cl in the 9-position of acridines to effect direct condensation with primary amines, which takes place smoothly in the presence of phenols (Ger. pats. 553,072, 571,449 (C. A. 27, 3036), etc.). Presumably there is first formed a 9-phenoxy deriv., for 9-phenoxyacridines also give good yields of the amine condensation products under the same conditions, while the 9-Cl compds. in the absence of phenols do not. 1,3-Diethylaminobutanone oxime, yellow, b15 141-2°, slowly poured in BuOH upon Na under xylene and heated until the Na dissolves completely, gives 1-diethylamino-3-aminobutane, b12 72-4°, d2020 0.8262, nD18 1.4428. β -Diethylaminoethylamine, prepd. by refluxing C6H4(CO)2NCH2CH2Br and Et2NH in xylene and hydrolyzing

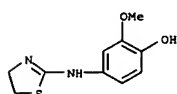
the product with boiling HCl, b. 145-9°. γ -Chloropropylphthalimide, from C6H4(CO)2NH, K2CO3 and BrCH2CH2CH2Cl at 190°, m. 62-5° 2-diethylaminopropylamine, b12 55-8°, b. 162-5°. 5-Diethylaminoethylamine, from BzNH(CH2)5Cl and NH4Et2 at 100-20°, with subsequent hydrolysis of the product with HCl at 125°, b. 205-8°, d2020 0.8432, nD20 1.4549. 1-Chloro-5-bromopentane, from BzNH(CH2)5Cl treated with PBr3 and then Br, distd. and decompd. with ice, b. 210-12°, d1515 1.488, nD18 1.4920, gives with NaCN in MeOH and then NH4Et2 6-diethylaminocapronitrile, b3.5 92-7°, which in alc. with Na under xylene gives 6-diethylaminoethylamine, b. 216-18° chloroplatinate, yellow, m. 120-2°. 2-Methoxy-9-chloroacridine, m. 152-3°, was prepd. by refluxing o-ClC6H4CO2H and anisidine with K2CO3 and a pinch of reduced Cu in AmOH and heating the resulting N-p-anisylanthranilic acid, m. 183-4°, with POC13 and treating the product with NH4OH. 7-Nitro deriv., similarly prepd. from 2,5-Cl(O2N)C6H3CO2H, yellow-green, m. 220-1°. 2,3(7)-Dimethoxy-6,9-dichloroacridine, from 4,2-Cl(3,4-(MeO)2C6H3NH)C6H3CO2H (m. 190-1°), light yellow, m. 202-3°. 2-Ethoxy-9-(β -diethylaminoethylamino)acridine, isolated as the di-HCl salt, yellow crystals with 2 H2O, m. 242-4°. 6-Nitro deriv.; di-HCl salt (2 H2O), dark yellow, m. 246-52°, DMT 1:200, I = 0. 7-Nitro isomer, intensely red, m. 172-5° di-HCl salt, yellowish cream-colored, m. 243-6° (decompn.), DMT 1:200, DMC 1:300, I, 1.5. 2-Ethoxy-6-nitro-9-(γ -diethylaminopropylamino)acridine-2HCl, orange-red, m. 226-8°, DMT 1:300, I 0. 2-Methoxy-6-chloro-9-(γ -diethylaminopropylamino)acridine-2HCl, yellow crystals with 3 H2O, m. 249-50°, DMT 1:200, DMC 1:3000. 2-Methoxy-7-nitro-9-(γ -diethylamino- β -hydroxypropylamino)acridine, red, m. 124°; di-HCl salt, orange-yellow, m. 213-14°, DMT 1:150, DMC 1:600. 2-Methoxy-6-chloro-9-(γ -diethylamino- β -hydroxypropylamino)acridine (Ger. pat. 553,072), m. 105-7°; di-HCl salt, m. 237-9°, DMT 1:350, DMC 1:2000. 9-(δ -Diethylaminobutylamino) compd., yellow needles with 5 H2O, m. 76-8°; di-HCl salt, yellow cryst. powder with 2 H2O, m. 246-8°, DMT 1:250, DMC 1:5000. 9-(δ -Diethylamino- α -methylbutylamino) compd. (I), yellow, m. 86-8°; di-HCl salt, yellow, m. 246-8°, DMT 1:300, DMC 1:4500. 2-Methoxy-9-(γ -diethylaminopropylamino)acridine-2HCl, light yellow powder with 1 H2O, m. 240-1°, DMT 1:300. 7-Nitro deriv., red needles with 2 H2O, m. 122-3.5°; di-HCl salt, yellow, m. 229-30°, DMT 1:200, DMC 1:500. 2,3(7)-Dimethoxy-6-chloro-9-(γ -diethylaminopropylamino)acridine, yellow hydrated needles; di-HCl salt, light yellow microcryst. powder with 2 H2O, m. 227-8°, DMT 1:500. 2-Methoxy-6-chloro-9-[bis(γ -diethylaminopropyl)amino]acridine; the

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aq. soln. of the HCl salt is exceedingly unstable and soon deposits 2-methoxy-6-chloroacridone. 2,3(7)-Dimethoxy-6-chloro-9-(δ -diethylamino- α -methylbutylamino)acridine-2HCl, cryst. yellow powder with 1 H2O, m. 246-7°, DMT 1:400, DMC 1:3000. 2-Ethoxy-6-chloro-9-(δ -diethylaminobutylamino)acridine-2HCl, yellow crystals with 2 H2O, m. 254-5.5°, DMT 1:400, DMC 1:4500. 2-Methyl-6-chloro-9-(γ -diethylaminopropylamino)acridine-2HCl, light yellow powder with 2 H2O, m. 239-41°, DMT 1:500, DMC 1:3000. 2-Methoxy-6-chloro-9-(α -diethylaminopentylamino)acridine-2HCl (1 H2O), m. 266-8° (Ger. pat. 553,072 gives 258-60°), DMT 1:500, DMC 1:3000. 9-(β -Diethylaminoethylamino) compd.: di-HCl salt, m. 258-90° (Ger. pat. 553,072 gives 251-2°), DMT 1:200, DMC 1:1500. 9-(γ -Diethylamino- α -methylpropyl) compd.: di-HCl salt, yellow crystals with 1 H2O, m. 253-4°, DMT 1:300, DMC 1:2000. 9-(ζ -Diethylaminohexylamino) compd.: di-HCl salt, light yellow, m. 232-5°, DMT 1:600, DMC 1:3000.
IT 860587-78-6, Anthranilic acid, 4-chloro-N-(3,4-dimethoxyphenyl)-(preparation of)
RN 860587-78-6 CAPLUS
CN Anthranilic acid, 4-chloro-N-(3,4-dimethoxyphenyl)- (3CI) (CA INDEX NAME)



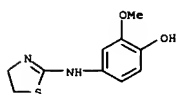
L11 ANSWER 486 OF 490 CAPLUS COPYRIGHT 2005 ACS ON STN
ACCESSION NUMBER: 1936:11497 CAPLUS
DOCUMENT NUMBER: 30:11497
ORIGINAL REFERENCE NO.: 30:1519c-f
TITLE: Oxazoline compounds (local anesthetics)
INVENTOR(S): Engelmann, Max
PATENT ASSIGNEE(S): E. I. du Pont de Nemours & Co.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
AB	US 2027031		19360107	US	
phenyl	Various examples are given of the reaction of substituted phenyl isocyanates with halo ethylamines and further treatment of the resulting product or substituted phenylalkylhalo ureas to produce substituted dihydrooxazoles, and, as being new products, claim is made to compds. such as 2-p-ethoxyphenyl-di-hydrooxazole, 2-p-butyloxyphenyl-di-hydrooxazole and the like (general mention being made of various similar compds. and their salts).				
IT	857998-22-2, Guaiacol, 4-(4,5-dihydro-2-thiazylamino)-, -HCl				
	857998-24-4, Guaiacol, 4-(4,5-dihydro-2-thiazylamino)-				
	(preparation of)				
RN	857998-22-2 CAPLUS				
CN	INDEX NAME NOT YET ASSIGNED				



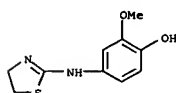
● HCl

RN 857998-24-4 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



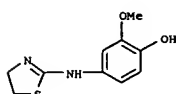
L11 ANSWER 487 OF 490 CAPLUS COPYRIGHT 2005 ACS ON STN
ACCESSION NUMBER: 1936:11496 CAPLUS
DOCUMENT NUMBER: 30:11496
ORIGINAL REFERENCE NO.: 30:1519c-d
TITLE: Thiazoline compounds (local anesthetics)
INVENTOR(S): Engelmann, Max
PATENT ASSIGNEE(S): E. I. du Pont de Nemours & Co.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
AB	US 2027030		19360107	US	
products	By the reaction of substituted phenyl isothiocyanates such as p-tolyl isothiocyanate with halo ethylamines such as bromoethylamine-HBr, are obtained such as p-tolyliminodihydrothiazole, m. 131°, hydrochloride, m. 154°. p-Fluorophenyliminodihydrothiazole, m. 152-3°, hydrochloride, m. 134°. o-Butoxyphenyliminodihydrothiazole, m. 68°. p-Hydroxyphenyliminodihydrothiazole, m. 154°. hydrochloride, m. 238-9°. p-Ethoxyphenyliminodihydrothiazole, m. 140°. p-Hydroxy-m-methoxyphenyliminodihydrothiazole, m. 168-9°, hydrochloride, m. 211°. General mention is made of some other similar derivs. and of their salts.				
IT	857998-22-2, Guaiacol, 4-(4,5-dihydro-2-thiazylamino)-, -HCl				
	857998-24-4, Guaiacol, 4-(4,5-dihydro-2-thiazylamino)-				
	(preparation of)				
RN	857998-22-2 CAPLUS				
CN	INDEX NAME NOT YET ASSIGNED				



● HCl

RN 857998-24-4 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



ACCESSION NUMBER: 1933:63676 CAPLUS
 DOCUMENT NUMBER: 27:63676
 ORIGINAL REFERENCE NO.: 27:5744d-g
 TITLE: 2-Methoxyacridine and 2,3(7)-dimethoxyacridine
 AUTHOR(S): Borsche, W.; Runge, F.; Trautner, W.
 SOURCE: Ber. (1933), 66B, 1315-18
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable

AB The use of PC15 for the intramol. condensation of diphenylamine-o-carboxylic acids to acridones and 9-chloroacridines (cf. Dirscherl and Thron, C. A. 27, 4801) has long been known to the authors (Runge, Dias, Göttingen 1922). It was used to convert o-(3,4-(MeO)2C6H3NH)C6H4CO2H (I) into o-dimethoxyacridone (II) or o-dimethoxy-9-chloroacridine (III),

which could not be satisfactorily accomplished by the Graebe and Lagodzinski method (Ber. 25, 1734 (1892)); the difficulties encountered were ascribed to the dealkylating action of the H2SO4 on the II, which Ullmann had observed in the attempted conversion of o-(p-EtOC6H4)NHC6H4CO2H into 2-ethoxyacridone (C. A. 2, 87). The authors find likewise that 4-methoxydiphenylamine-2''-carboxylic acid (obtained in 16-g. yield from 15.6 g. o-ClC6H4CO2H and 16 g. p-anisidine with K2CO3 and Cu bronze in boiling tetralin), m. 186°, gives 2-hydroxyacridone (instead of the MeO compound) when heated on the water bath with concentrated H2SO4; in

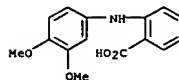
2 N KOH with Me2SO4 the HO compound yields 2-methoxyacridone (IV), yellow, m. 263-5°, which with Na in boiling alc. is reduced to the dihydroacridine and this with K2Cr2O7 in dilute H2SO4 yields, together

with some regenerated acridone, 2-methoxyacridine, m. 103-4° (HCl salt: sulfate, gleaming brown needles). 3,4-Dimethoxydiphenylamine-2''-carboxylic acid (I) (8.2 g. from 5.1 g. 4-aminoveratrole and o-ClC6H4CO2H), m. 180-1°, gives with PC15 in boiling CS2 II, brown crystals from alc., while with PC15 in benzene is obtained III, m. 187° (HCl salt, egg-yellow, m. 226° (decomposition); picrate, bright yellow). II, reduced and then oxidized like IV, gave 2,3-dimethoxyacridine, yellowish white needles with 1 H2O, m. 107° (chromate, yellow), which with fuming HI, AcOH and a few drops of water gave a yellow dihydroxyacridine-HI, converted in alc. by shaking with freshly precipitated AgCl into the HCl salt, yellow needles with 1 H2O, m. 235° (decomposition).

IT 86640-15-5, Anthranilic acid, N-(3,4-dimethoxyphenyl)- (preparation of)

RN 86640-15-5 CAPLUS

CN Benzoic acid, 2-((3,4-dimethoxyphenyl)amino)- (9CI) (CA INDEX NAME)



ACCESSION NUMBER: 1930:31064 CAPLUS
 DOCUMENT NUMBER: 24:31064
 ORIGINAL REFERENCE NO.: 24:3327a-d
 TITLE: Aminoalkylamino derivatives of aromatic aminohydroxy or polyamino compounds
 INVENTOR(S): Schulemann, Werner; Kropp, Walter
 PATENT ASSIGNEE(S): Winthrop Chemical Co.
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 1757394		19300506	US	

AB Comps. generally in the nature of viscous oils, forming readily soluble hydrochlorides and suitable for therapeutic purposes in combating blood parasites are obtained by heating aromatic aminohydroxy or polyamino compds. of the benzene or naphthalene series with a haloalkylaminodialkyl compound (suitably in the presence of an acid-binding agent and a solvent or

diluent) or by causing aromatic aminohydroxy or polyamino compds. of the benzene or naphthalene series to be acted on by ethylene oxide or a halogenated alc. and converting the hydroxyalkylamino deriva. thus obtained into the dialkylaminodialkyl compds. Numerous details and

examples

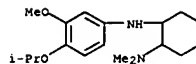
are given, including the production of: 3-hydroxy-1-(diethylaminoethylamino)benzene, b1.5 171°; 3-hydroxy-1-[(diethylaminoethyl)ethylamino]benzene, m. 50° and b2 175°; 1-hydroxy-3-[(diethylaminoethyl)methylamino]benzene, b0.5 151°; 1-(diethylaminoethylamino)-3,4-dimethoxybenzene, b2 185°; 1-amino-3-(diethylaminoethylamino)benzene b1 158°; 4-amino-[(diethylaminoethyl)methylamino]benzene, b3 161-3°; 1-amino-4-dimethylamino-2-methylthiophenol, b3 135°; 3-methoxy-4-isopropoxy-1-N-(α-piperidyl)-β-hydroxy-γ-propylaminobenzene, prepared by heating 3-methoxy-4-isopropoxy-1-aminobenzene (m. 68-69°), with epichlorohydrin and piperidine, m. 92-4° and b5 225-30°; 3-methoxy-4-isopropoxy-1-(β-diethylaminoethylmercaptoethylamino)benzene, prepared by treating 3-methoxy-4-isopropoxy-1-aminobenzene with (C2H5)2NCH2CH2SCH2CH2Cl (hydrochloride), is a viscous oil, b5 225-7°; 3-methoxy-4-isopropoxy-1-(β-diethylaminoethoxyethylaminobenzene, b1.5 186-8°, is obtained by heating 3-methoxy-4-isopropoxy-1-aminobenzene with the hydrochloride of (C2H5)2NCH2CH2OCH2CH2Cl (b5 72-3°); 3-methoxy-4-isopropoxy-1-N-(β-dimethylamino-β'-ethoxyisopropylaminobenzene, b1 166-8°, obtained by treating 3-methoxy-4-isopropoxy-1-aminobenzene with the hydrochloride of (CH3)2NCH2CH2C(CH3)2CH2OCH2CH2Cl (b15 69-70°); 3-methoxy-4-isopropoxy-1-(1'-dimethylamino-2'-cyclohexylaminobenzene, b2 173-5° formed by heating of 3-methoxy-4-isopropoxy-1-aminobenzene with 1-chloro-2-dimethylaminocyclohexane (b10 77-9°).

IT 859180-15-7, 1,2-Cyclohexanediamine, N2-(4-isopropoxy-m-anisyl)-N1,N1-dimethyl-

(preparation of)

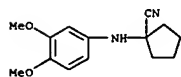
RN 859180-15-7 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



ACCESSION NUMBER: 1927:13423 CAPLUS
 DOCUMENT NUMBER: 21:13423
 ORIGINAL REFERENCE NO.: 21:1635e-1
 TITLE: Condensation of substituted anilines with cyclopentanone cyanohydrin. Derivatives of 1-anilinocyclopentane-1-carboxylic acid
 AUTHOR(S): Oakeshott, S. H.; Plant, S. G. P.
 SOURCE: Journal of the Chemical Society, Abstracts (1927) 484-93
 CODEN: JCSAAZ; ISSN: 0590-9791
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable

AB o-MeC₆H₄NH₂ and (CH₂)₄CO in AcOH, treated with aqueous KCN, give 1-o-toluidino-1-cyanocyclopentane, m. 68°; in concentrated H₂SO₄ for 2 days this gives the corresponding carboxamide, m. 122°, with excess HCl this gives 1-o-toluidino-cyclopentane-1-carboxylic acid m. 128°; this is unchanged by heating with KOH at 300°, but a mixture of KOH and EtONa gives 1-methylcarbazole, m. 117°. The latter was also synthesized from o-MeC₆H₄NH₂ and (CH₂)₃CO, the cyclohexanone α-tolylhydrazone giving with dilute H₂SO₄ 8-methyltetrahydrocarbazole, m. 98° which was boiled with S and quinoline for 20 min. 1-m-Toluidino-1-cyanocyclopentane, m. 53°; the carboxamide, m. 145° and the carboxylic acid, m. 123-1°. 1-o-Anisidino-1-cyanocyclopentane: is a brown sirup; in concentrated H₂SO₄, after 2 days, it gives 1-o-anisidino- cyclopentane-1-carboxamide-5'-sulfonic acid, isolated as the Na salt. 1-m-Anisidino-1-cyanocyclopentane, m. 132°; no definite product was isolated from the H₂SO₄ reaction product. 1-p-Anisidinocyclopentane-1-carboxamide, m. 81-2°; the corresponding acid, m. 160°. 1-Versalrylamino-1-cyanocyclopentane, m. 98°; H₂SO₄ gives no definite reaction product. 3,5-Dimethoxyaniline, b₂₀ 178°; Ac derivative, m. 157°. 1-m,m'-Di-methoxyanilino-1-cyanocyclopentane, m. 150°. 1-o-Chloroanilino-1-cyanocyclopentane, yellow oil; m-Cl derivative, m. 47°; p-Cl derivative, m. 73°. 1-o-Chloroanilinocyclopentane-1-carboxamide, m. 113°; m-derivative, m. 118°; p-derivative, m. 132°; the corresponding acids, m. 145°, 112° and 144°, resp. 1-o-Bromoanilinocyanocyclopentane, yellowish brown oil; m-derivative, oily; p-derivative, m. 69°; the corresponding carboxamides, m. 128°, 126° and 145°, resp., and the acids, m. 140°. 130° and 130°. 1-m-Nitroanilino-1-cyanocyclopentane, yellow, in 95°; p-derivative, yellow, m. 165°; the corresponding carboxamides, orange and yellow, m. 144° and 231°; the acids, yellow, m. 137° and 187°. 1-o-Carboxyanilino-1-cyanocyclopentane m. 122°; m-derivative, m. 153°; p-derivative, m. 189-90°; the corresponding carboxamides, m. 225°, 215° and 272°, resp.; the acids, m. 161°, 215° and 225°, resp.
 IT 859817-19-9, Cyclopentanenitrile, 1-[3,4-dimethoxyanilino]- (preparation of)
 RN 859817-19-9 CAPLUS
 CN Cyclopentanenitrile, 1-[3,4-dimethoxyanilino]- (3CI) (CA INDEX NAME)



=> fil stnguide

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	208.83	458.25
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-30.66	-30.66

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FULL ESTIMATED COST	0.84	459.09
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DICTIONARY FILE UPDATES: 22 NOV 2005 HIGHEST RN 868656-94-4

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* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

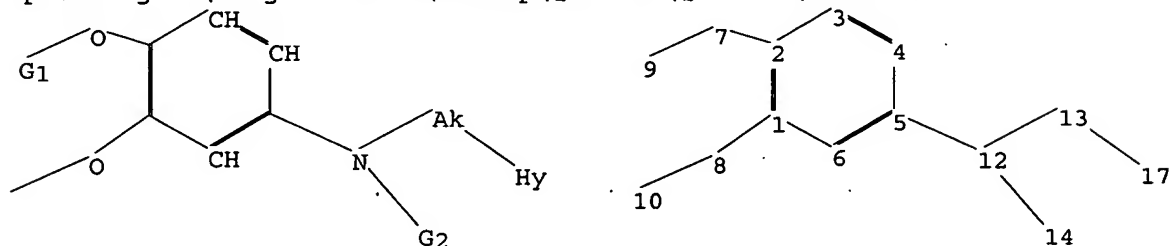
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chain nodes :

7 8 9 12 13 14 17

ring nodes :

1 2 3 4 5 6

ring/chain nodes :

10

chain bonds :

1-8 2-7 5-12 7-9 8-10 12-13 12-14 13-17

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

1-8 2-7 5-12 7-9 8-10 12-13 12-14 13-17

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

G1:C,H

G2:H,Cb

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS

12:CLASS 13:CLASS 14:Atom 17:Atom

Generic attributes :

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Number of Carbon Atoms : less than 7

Number of Hetero Atoms : less than 2

Type of Ring System : Monocyclic

Element Count :

Node 17: Limited

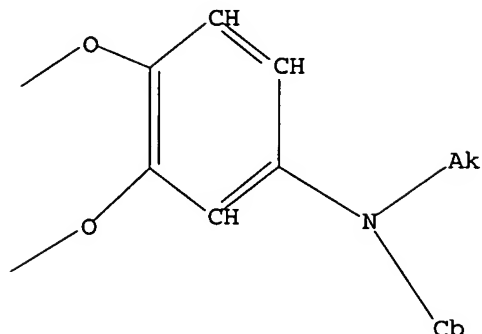
C,C5

N,N1

O,O0

S,S0

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 L12 STR



Structure attributes must be viewed using STN Express query preparation.

=> d his

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FILE 'REGISTRY' ENTERED AT 07:53:12 ON 23 NOV 2005

L1 STRUCTURE UPLOADED
 L2 50 S L1
 L3 14295 S L1 FULL
 L4 STRUCTURE UPLOADED
 L5 7035 S L4 FULL SUB=L3
 L6 STRUCTURE UPLOADED
 L7 1903 S L6 FULL SUB=L3
 L8 3588 S L5 AND CAPLUS/LC
 L9 1564 S L7 AND CAPLUS/LC

FILE 'CAPLUS' ENTERED AT 07:57:40 ON 23 NOV 2005

L10 1666 S L8
 L11 490 S L9

FILE 'STNGUIDE' ENTERED AT 07:59:23 ON 23 NOV 2005

FILE 'REGISTRY' ENTERED AT 08:07:31 ON 23 NOV 2005

L12 STRUCTURE UPLOADED

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FULL SUBSET SEARCH INITIATED 08:11:04 FILE 'REGISTRY'

FULL SUBSET SCREEN SEARCH COMPLETED - 12759 TO ITERATE

100.0% PROCESSED 12759 ITERATIONS
 SEARCH TIME: 00.00.01

118 ANSWERS

L13 118 SEA SUB=L3 SSS FUL L12

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48988102 CAPLUS/LC

L14 116 L13 AND CAPLUS/LC

=> s l13 not l15

L15 NOT FOUND

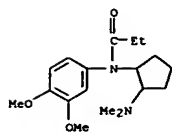
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L15 2 L13 NOT L14

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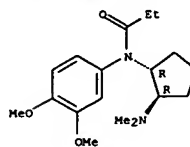
L15 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 78866-58-7 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN Propanamide, N-(3,4-dimethoxyphenyl)-N-[2-(dimethylamino)cyclopentyl]-
 (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C18 H28 N2 O3
 CI COM
 LC STN Files: BEILSTEIN*
 (*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L15 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 67450-48-0 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN Propanamide, N-(3,4-dimethoxyphenyl)-N-[2-(dimethylamino)cyclopentyl]-,
 trans- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C18 H28 N2 O3
 CI COM
 LC STN Files: BEILSTEIN*
 (*File contains numerically searchable property data)

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	49.34	508.43
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-30.66

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FILE 'REGISTRY' ENTERED AT 07:53:12 ON 23 NOV 2005

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L2	50 S L1
L3	14295 S L1 FULL
L4	STRUCTURE UPLOADED
L5	7035 S L4 FULL SUB=L3
L6	STRUCTURE UPLOADED
L7	1903 S L6 FULL SUB=L3
L8	3588 S L5 AND CAPLUS/LC
L9	1564 S L7 AND CAPLUS/LC

FILE 'CAPLUS' ENTERED AT 07:57:40 ON 23 NOV 2005

L10	1666 S L8
L11	490 S L9

FILE 'STNGUIDE' ENTERED AT 07:59:23 ON 23 NOV 2005

FILE 'REGISTRY' ENTERED AT 08:07:31 ON 23 NOV 2005

L12	STRUCTURE UPLOADED
L13	118 S L12 FULL SUB=L3
L14	116 S L13 AND CAPLUS/LC
L15	2 S L13 NOT L14

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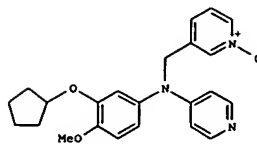
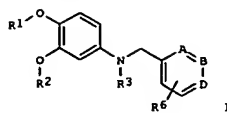
L16 24 L14

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ACCESSION NUMBER: 2004:453188 CAPLUS
 DOCUMENT NUMBER: 141:23427
 TITLE: Preparation of N-oxides of heteroaryl methyl phenyl amines as phosphodiesterase 4 inhibitors
 INVENTOR(S): Schumacher, Richard A.; Graham, Elizabeth Doorly; Hopper, Allen T.; Tehim, Ashok
 PATENT ASSIGNEE(S): Memory Pharmaceuticals Corporation, USA
 SOURCE: PCT Int. Appl., 93 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004046113	A2	20040603	WO 2003-US36986	20031119
WO 2004046113	A3	20050324		
<p>V: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW</p> <p>RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,</p>				
<p>CA 2506297 AA 20040603 CA 2003-2506297 20031119</p> <p>US 2004152902 A1 20040805 US 2003-715819 20031119</p> <p>BR 2003015705 A 20050906 BR 2003-15705 20031119</p> <p>EP 1569908 A2 20050907 EP 2003-786857 20031119</p> <p>R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK</p> <p>PRIORITY APPL. INFO.: US 2002-427221P P 20021119</p> <p>WO 2003-US36986 W 20031119</p>				

OTHER SOURCE(S): MARPAT 141:23427
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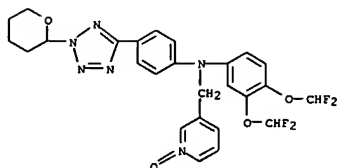


AB Nitrogen oxides of I (one of A, B, D = NO and the others are CR6; R1-2 = alkyl; R3 = H, cycloalkyl, etc.; R6 = H, halo, alkyl, alkoxy, CN, OH) and related derivs. are prepared. For instance, 4-[(3-cyclopentyl-4-methoxyphenyl)amino]pyridine is alkylated with 3-chloromethylpyridine N-oxide (preparation given) (DMF, NaH) to give II. I are inhibitors of PDE4 and useful for the treatment of depression, Alzheimer's disease, etc.

IT 699004-00-7P, N-[3,4-Bis(difluoromethoxy)phenyl]-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699005-01-1P, 3-[N-(4-Difluoromethoxy-3-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-14-3P, 3-[N-(3-Cyclopropylmethoxy-4-difluoromethoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-15-4P, 3-[N-(3-[3-(4-Chlorophenyl)propoxy]-4-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-16-5P, 3-[N-(3-Cyclopropylmethoxy-4-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-18-7P, 3-[N-(3-(2-Methoxyethoxy)-4-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-19-8P, 3-Cyclopropylmethoxy-4-difluoromethoxy-N-[(1-oxo-3-pyridyl)methyl]-4'-(2H-tetrazol-5-yl)diphenylamine 699004-23-4P, 3-Cyclopropylmethoxy-4-methoxy-N-[(1-oxo-3-pyridyl)methyl]-4'-(2H-tetrazol-5-yl)diphenylamine 699004-26-7P, 3-Cyclopropylmethoxy-4-difluoromethoxy-N-[(1-oxo-3-pyridyl)methyl]-3'-(2H-tetrazol-5-yl)diphenylamine 699004-27-8P, 3,4-Bis(difluoromethoxy)-N-[(1-oxo-3-pyridyl)methyl]-4'-(2H-tetrazol-5-yl)diphenylamine 699004-36-9P, 3-Cyclopropylmethoxy-3'-(ethanesulfonyl)amino]-4-methoxy-N-[(1-oxo-3-pyridyl)methyl]diphenylamine 699004-38-1P,

4-Methoxy-3-[2-(2-pyridyl)ethoxy]-N-[(1-oxo-3-pyridyl)methyl]diphenylamine 699004-40-5P, 3'-Chloro-4-methoxy-3-[2-(2-pyridyl)ethoxy]-N-[(1-oxo-3-pyridyl)methyl]diphenylamine 699004-43-8P, 3,4-Bis(difluoromethoxy)-N-(3-carboxy-4-chlorophenyl)-N-[(1-oxo-3-pyridyl)methyl]aniline 699004-44-9P, 3,4-Bis(difluoromethoxy)-N-[4-(pyrrol-1-yl)phenyl]-N-[(1-oxo-3-pyridyl)methyl]aniline 699004-71-2P, 3-[N-[3,4-Bis(difluoromethoxy)phenyl]-N-[(1-oxo-3-pyridyl)methyl]amino]-5-fluorobenzoic acid 699004-76-7P, 4-[N-(3-Ethoxy-4-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-81-4P, 4-[N-(3-Isopropoxy-4-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-88-1P,

N-[3,4-Bis(difluoromethoxy)phenyl]-4-[[[4-fluorophenyl)sulfonyl]amino]carboxyl-N-[(1-oxo-3-pyridyl)methyl]aniline 699004-95-0P, 3-[N-(3,4-Dimethoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-96-1P, 3-[N-(3-Ethoxy-4-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-97-2P, 3-[N-(3-Isopropoxy-4-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-98-3P, 4-[[[3,4-Difluorophenyl)sulfonyl]amino]carboxyl-N-(3-ethoxy-4-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]aniline 699004-99-4P, 3-[N-(4-Difluoromethoxy-3-ethoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699005-00-0P,



IT 699003-98-0P 699003-99-1P 699004-05-2P, 3,4-Bis(difluoromethoxy)-N-[(1-oxo-3-pyridyl)methyl]diphenylamine 699004-13-2P, 4-[N-(3-Cyclopropylmethoxy-4-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-14-3P, 3-[N-(3-Cyclopropylmethoxy-4-difluoromethoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-15-4P, 3-[N-(3-[3-(4-Chlorophenyl)propoxy]-4-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-16-5P, 3-[N-(3-Cyclopropylmethoxy-4-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-18-7P, 3-[N-(3-(2-Methoxyethoxy)-4-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-19-8P, 3-Cyclopropylmethoxy-4-difluoromethoxy-N-[(1-oxo-3-pyridyl)methyl]-4'-(2H-tetrazol-5-yl)diphenylamine 699004-23-4P, 3-Cyclopropylmethoxy-4-methoxy-N-[(1-oxo-3-pyridyl)methyl]-4'-(2H-tetrazol-5-yl)diphenylamine 699004-26-7P, 3-Cyclopropylmethoxy-4-difluoromethoxy-N-[(1-oxo-3-pyridyl)methyl]-3'-(2H-tetrazol-5-yl)diphenylamine 699004-27-8P, 3,4-Bis(difluoromethoxy)-N-[(1-oxo-3-pyridyl)methyl]-4'-(2H-tetrazol-5-yl)diphenylamine 699004-36-9P, 3-Cyclopropylmethoxy-3'-(ethanesulfonyl)amino]-4-methoxy-N-[(1-oxo-3-pyridyl)methyl]diphenylamine 699004-38-1P,

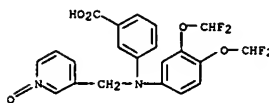
4-Methoxy-3-[2-(2-pyridyl)ethoxy]-N-[(1-oxo-3-pyridyl)methyl]diphenylamine 699004-40-5P, 3'-Chloro-4-methoxy-3-[2-(2-pyridyl)ethoxy]-N-[(1-oxo-3-pyridyl)methyl]diphenylamine 699004-43-8P, 3,4-Bis(difluoromethoxy)-N-(3-carboxy-4-chlorophenyl)-N-[(1-oxo-3-pyridyl)methyl]aniline 699004-44-9P, 3,4-Bis(difluoromethoxy)-N-[4-(pyrrol-1-yl)phenyl]-N-[(1-oxo-3-pyridyl)methyl]aniline 699004-71-2P, 3-[N-[3,4-Bis(difluoromethoxy)phenyl]-N-[(1-oxo-3-pyridyl)methyl]amino]-5-fluorobenzoic acid 699004-76-7P, 4-[N-(3-Ethoxy-4-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-81-4P, 4-[N-(3-Isopropoxy-4-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-88-1P,

N-[3,4-Bis(difluoromethoxy)phenyl]-4-[[[4-fluorophenyl)sulfonyl]amino]carboxyl-N-[(1-oxo-3-pyridyl)methyl]aniline 699004-95-0P, 3-[N-(3,4-Dimethoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-96-1P, 3-[N-(3-Ethoxy-4-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-97-2P, 3-[N-(3-Isopropoxy-4-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-98-3P, 4-[[[3,4-Difluorophenyl)sulfonyl]amino]carboxyl-N-(3-ethoxy-4-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]aniline 699004-99-4P, 3-[N-(4-Difluoromethoxy-3-ethoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699005-00-0P,

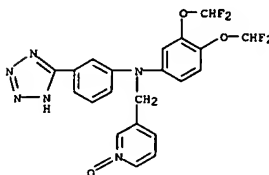
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4-Methoxy-3-[2-(2-pyridyl)ethoxy]-N-[(1-oxo-3-pyridyl)methyl]diphenylamine 699004-40-5P, 3'-Chloro-4-methoxy-3-[2-(2-pyridyl)ethoxy]-N-[(1-oxo-3-pyridyl)methyl]diphenylamine 699004-43-8P, 3,4-Bis(difluoromethoxy)-N-(3-carboxy-4-chlorophenyl)-N-[(1-oxo-3-pyridyl)methyl]aniline 699004-44-9P, 3,4-Bis(difluoromethoxy)-N-[4-(pyrrol-1-yl)phenyl]-N-[(1-oxo-3-pyridyl)methyl]aniline 699004-71-2P, 3-[N-[3,4-Bis(difluoromethoxy)phenyl]-N-[(1-oxo-3-pyridyl)methyl]amino]-5-fluorobenzoic acid 699004-76-7P, 4-[N-(3-Ethoxy-4-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-81-4P, 4-[N-(3-Isopropoxy-4-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-88-1P,

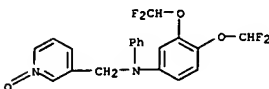
N-[3,4-Bis(difluoromethoxy)phenyl]-4-[[[4-fluorophenyl)sulfonyl]amino]carboxyl-N-[(1-oxo-3-pyridyl)methyl]aniline 699004-95-0P, 3-[N-(3,4-Dimethoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-96-1P, 3-[N-(3-Ethoxy-4-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-97-2P, 3-[N-(3-Isopropoxy-4-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-98-3P, 4-[[[3,4-Difluorophenyl)sulfonyl]amino]carboxyl-N-(3-ethoxy-4-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]aniline 699004-99-4P, 3-[N-(4-Difluoromethoxy-3-ethoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699005-00-0P,



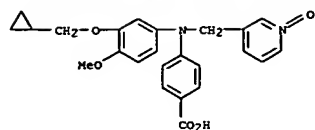
RN 699003-99-1 CAPLUS
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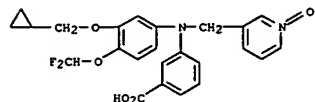
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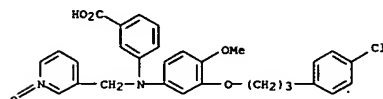
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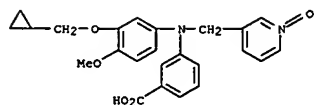
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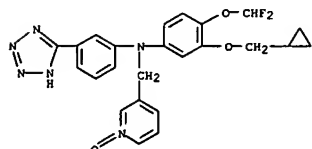
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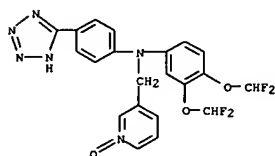
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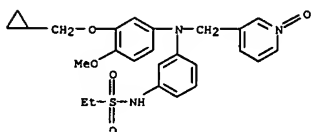
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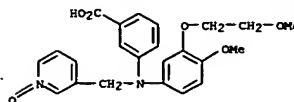
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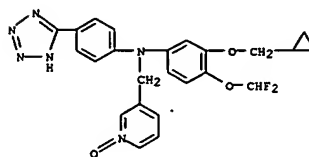
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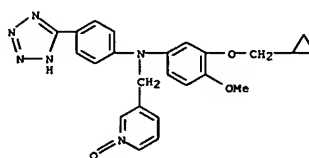
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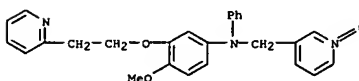
RN 699004-19-8 CAPLUS
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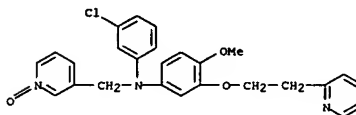
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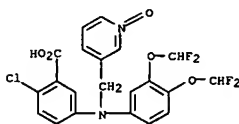
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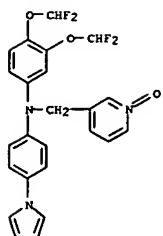
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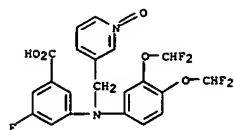
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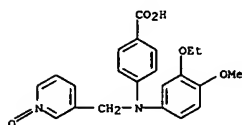
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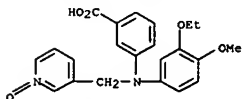
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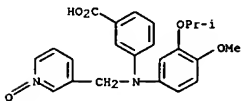
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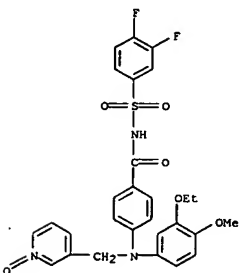
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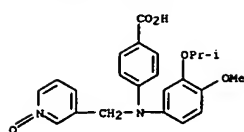
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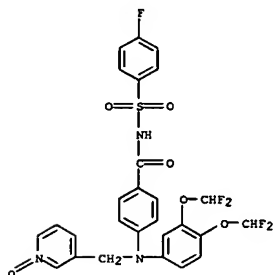
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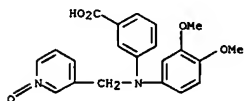
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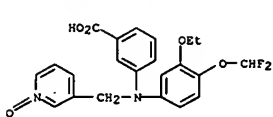
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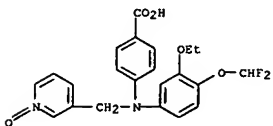
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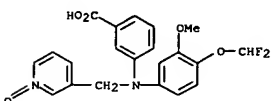
RN 699004-96-1 CAPLUS
 CN Benzoic acid, 3-[[3-ethoxy-4-methoxyphenyl][(1-oxido-3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)



RN 699005-00-0 CAPLUS
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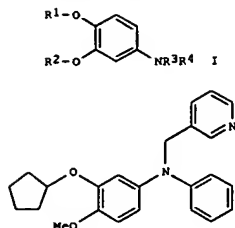
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ACCESSION NUMBER: 2004:80654 CAPLUS
 DOCUMENT NUMBER: 140:128150
 TITLE: Preparation of selective phosphodiesterase 4 inhibitors, including ether-functionalized N-substituted aniline and diphenylamine analogs, for cognition enhancement and other uses
 INVENTOR(S): Schumacher, Richard A.; Hopper, Allen T.; Tehim, Ashok; Hess, Hans-Jürgen Ernst; Unterbeck, Axel; Kuester, Erik; Brubaker, William Frederick, Jr.;
 DUNN, Robert F.
 PATENT ASSIGNEE(S): Memory Pharmaceuticals Corporation, USA
 SOURCE: PCT Int. Appl., 199 pp.
 CODEN: PIKXK2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004009552	A1	20040129	WO 2003-US22543	20030721
M: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RM: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, NG, TD, TG				
CA 2492907	AA	20040129	CA 2003-2492907	20030721
US 2005119225	A1	20050602	US 2003-622833	20030721
BR 2003012999	A	20050607	BR 2003-12999	20030721
EP 1539697	A1	20050615	EP 2003-765748	20030721
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, HK, CY, AL, TR, BG, CZ, EE, HU, SK				
PRIORITY APPL. INFO.:			US 2002-396723P	P 20020719
			WO 2003-US22543	W 20030721

OTHER SOURCE(S): MARPAT 140:128150
 GI



AB PDE4 inhibition (no data) is achieved by novel compds., e.g., ether-functionalized N-substituted aniline and diphenylamine analogs (shown as I; variables defined below; e.g. II). Although the methods of preparation are not claimed, >40 example preps. are included. For example, II

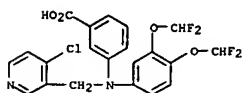
was prepared by arylation of N-[(3-pyridyl)methyl]-3-cyclopentyl-4-methoxyaniline by iodobenzene using NaOtBu, Pd2dba3, and PtBu3 in toluene. In a 'passive avoidance in rats' test, an in vivo test for learning and memory, the amnesic effect of MK-801 is reversed in a statistically significant manner by actual test compds. in a dose-dependent fashion [e.g., 3-cyclopentyl-4-methoxy-N-[(3-pyridyl)methyl]diphenylamine, ED range = 0.5 to 2.5 mg/kg, i.p.; and N-[(3-cyclopentyl-4-methoxyphenyl)-N-[(3-pyridyl)methyl]-3-aminobenzoic acid, ED range = 0.1 to 2.5 mg/kg, i.p.]

In a 'radial arm maze task in rats' test, an in vivo test for learning and memory, the amnesic effect of MK-801 on working memory is reversed in a statistically significant manner by the administration of actual test compds. in a dose-dependent fashion [e.g., 3-cyclopentyl-4-methoxy-N-[(3-pyridyl)methyl]diphenylamine, ED = 2.5 mg/kg, i.p.; p<0.01]. For I: R1 is H, alkyl having 1-4 C atoms (unsubstituted by ≥1 halo; R2 is Cl-12 alkyl, C3-10 cycloalkyl, C4-16 cycloalkylalkyl, C6-14 aryl, C6-14 aryl-C1-5-alkyl, a partially unsatd. carbocyclic group having 5-14

atoms, a C5-10 heterocyclic group, or a heterocycle-alkyl group; R3 is H, C1-8 alkyl, a partially unsatd. carbocycle-alkyl group, C7-19-aryl-C1-5-alkyl, or heteroarylalkyl; R4 is H, C3-10 cycloalkyl, C6-14 aryl, or heteroaryl having 5-10 ring atoms; addnl. details are given in the claims.

IT 651022-92-3P, 3,4-Bis(difluoromethoxy)-N-[(3-carboxyphenyl)-N-[(4-chloropyridin-3-yl)methyl]aniline
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (drug candidate; preparation of selective phosphodiesterase 4 inhibitors,

L16 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
 including ether-functionalized N-substituted aniline and diphenylamine analogs, for cognition enhancement and other uses)
 RN 651022-92-3 CAPLUS
 CN Benzoic acid, 3-[(3,4-bis(difluoromethoxy)phenyl)[(4-chloro-3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)

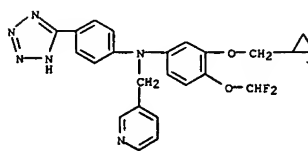


IT 460080-77-7P, 3-Cyclopropylmethoxy-4-difluoromethoxy-N-[(3-pyridyl)methyl]-4'-[(2H-tetrazol-5-yl)diphenylamine 460082-01-3P, 4-[(3-cyclopropylmethoxy-4-methoxyphenyl)[(3-pyridyl)methyl]amino]benzoic acid 651022-33-2P, 3,4-Bis(difluoromethoxy)-N-[(4-pyrrol-1-yl)phenyl]-N-[(3-pyridyl)methyl]aniline 651022-61-6P, 4-[(3,4-bis(difluoromethoxy)phenyl)[(3-pyridyl)methyl]amino]benzoic acid 651022-92-1P, 3-[(3,4-bis(difluoromethoxy)phenyl)[(3-pyridyl)methyl]amino]-5-fluorobenzoic acid 651022-95-4P, 4-[(4-methoxy-3-[2-(pyrid-2-yl)ethoxy]phenyl)[(3-pyridyl)methyl]amino]benzoic acid 651022-86-5P, 4-[(3,4-dimethoxyphenyl)[(3-pyridyl)methyl]amino]benzoic acid 651022-87-6P, 4-[(3-ethoxy-4-methoxyphenyl)[(3-pyridyl)methyl]amino]benzoic acid 651022-88-7P, 4-[(3-isopropoxy-4-methoxyphenyl)[(3-pyridyl)methyl]amino]benzoic acid 651022-89-8P, 3,4-Bis(difluoromethoxy)-N-[(3-carboxyphenyl)-N-[(2-chloropyridin-5-yl)methyl]aniline 651022-90-1P, 3,4-Bis(difluoromethoxy)-N-[(3-carboxyphenyl)-N-[(2-chloropyridin-3-yl)methyl]aniline 651022-91-2P, 3,4-Bis(difluoromethoxy)-N-[(3-carboxyphenyl)-N-[(3,5-dimethylisoxazol-4-yl)methyl]aniline 651022-93-4P, 3,4-Bis(difluoromethoxy)-N-[(3-carboxy-4-chlorophenyl)-N-[(3-pyridyl)methyl]aniline 651022-94-5P, 3,4-Bis(difluoromethoxy)-N-[(3-carboxyphenyl)-N-[(4-methoxypyridin-3-yl)methyl]aniline 651022-96-7P, 3,4-Bis(difluoromethoxy)-N-[(3-carboxyphenyl)-N-[(3,5-dichloropyridin-4-yl)methyl]aniline 651023-21-1P, 3-[(3,4-dimethoxyphenyl)[(3-pyridyl)methyl]amino]benzoic acid 651023-23-3P, 3-[(3-ethoxy-4-methoxyphenyl)[(3-pyridyl)methyl]amino]benzoic acid 651023-24-4P, 3-[(4-methoxy-3-propoxyphenyl)[(3-pyridyl)methyl]amino]benzoic acid 651023-25-5P, 3-[(4-methoxy-3-(propan-2-yl)oxy)phenyl][[(3-pyridyl)methyl]amino]benzoic acid 651023-26-6P, 3-[(3-(2-cyclopropylethoxy)-4-methoxyphenyl)[(3-pyridyl)methyl]amino]benzoic acid 651023-27-7P

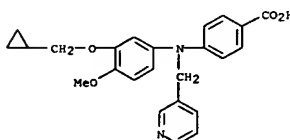
3-[(3-cyclobutylmethoxy-4-methoxyphenyl)[(3-pyridyl)methyl]amino]benzoic acid 651023-80-2P, N-[(3-cyclopropylmethoxy-4-methoxyphenyl)-N-[(3-pyridyl)methyl]-4-[(3-chlorophenyl)sulfonyl]amino]carbonyl]aniline 651023-82-4P, N-[(3-cyclopropylmethoxy-4-methoxyphenyl)-N-[(3-pyridyl)methyl]-4-[(4-fluorophenyl)sulfonyl]amino]carbonyl]aniline 651023-83-5P, N-[(3-cyclopropylmethoxy-4-methoxyphenyl)-N-[(3-pyridyl)methyl]-4-[(3-fluorophenyl)sulfonyl]amino]carbonyl]aniline 651023-90-4P, N-[(3-ethoxy-4-methoxyphenyl)-N-[(3-pyridyl)methyl]-4-[(2,4-difluorophenyl)sulfonyl]amino]carbonyl]aniline 651023-91-5P, N-[(3-cyclopropylmethoxy-4-methoxyphenyl)-N-[(3-pyridyl)methyl]-4-[(ethylsulfonyl)amino]carbonyl]aniline 651023-92-6P, N-[(3-ethoxy-4-methoxyphenyl)-N-[(3-pyridyl)methyl]-4-

L16 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
 [[[(4-fluorophenyl)sulfonyl]amino]carbonyl]aniline 651023-93-7P, N-[(3-ethoxy-4-methoxyphenyl)-N-[(3-pyridyl)methyl]-4-[(3-chlorophenyl)sulfonyl]amino]carbonyl]aniline 651023-94-8P, N-[(3-ethoxy-4-methoxyphenyl)-N-[(3-pyridyl)methyl]-4-[(3,4-difluorophenyl)sulfonyl]amino]carbonyl]aniline 651023-95-9P, N-[(3-ethoxy-4-methoxyphenyl)-N-[(3-pyridyl)methyl]-4-[(2-thienyl)sulfonyl]amino]carbonyl]aniline
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (drug candidate; prep. of selective phosphodiesterase 4 inhibitors, including ether-functionalized N-substituted aniline and diphenylamine analogs, for cognition enhancement and other uses)

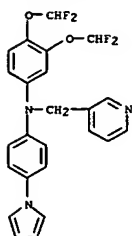
RN 460080-77-7 CAPLUS
 CN 3-Pyridinemethanamine, N-[(3-cyclopropylmethoxy)-4-(difluoromethoxy)phenyl]-N-[4-(1H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)



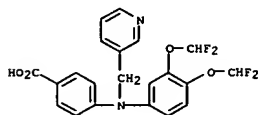
RN 460082-01-3 CAPLUS
 CN Benzoic acid, 4-[(3-cyclopropylmethoxy)-4-methoxyphenyl][3-pyridinylmethyl]amino]- (9CI) (CA INDEX NAME)



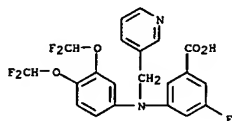
RN 651022-33-2 CAPLUS
 CN 3-Pyridinemethanamine, N-[(3,4-bis(difluoromethoxy)phenyl)-N-[(4-(1H-pyrrol-1-yl)phenyl)- (9CI) (CA INDEX NAME)



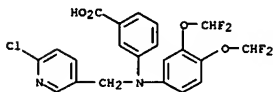
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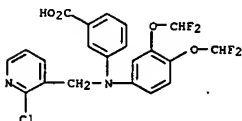
RN 651022-82-1 CAPLUS
CN Benzoic acid, 3-[[3,4-bis(difluoromethoxy)phenyl](3-pyridinylmethyl)amino]-5-fluoro- (9CI) (CA INDEX NAME)



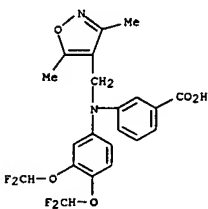
RN 651022-85-4 CAPLUS
CN Benzoic acid, 4-[[4-methoxy-3-{2-(2-pyridinyl)ethoxy}phenyl](3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)



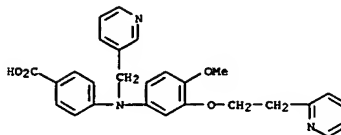
RN 651022-90-1 CAPLUS
CN Benzoic acid, 3-[[3,4-bis(difluoromethoxy)phenyl][(2-chloro-3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)



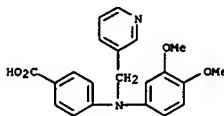
RN 651022-91-2 CAPLUS
CN Benzoic acid, 3-[[3,4-bis(difluoromethoxy)phenyl][(3,5-dimethyl-4-isoxazolyl)methyl]amino]- (9CI) (CA INDEX NAME)



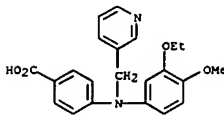
RN 651022-93-4 CAPLUS
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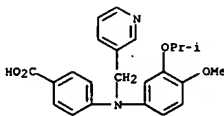
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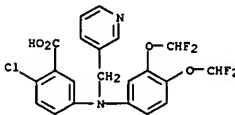
RN 651022-87-6 CAPLUS
CN Benzoic acid, 4-[[3-ethoxy-4-methoxyphenyl](3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)



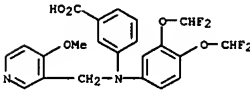
RN 651022-88-7 CAPLUS
CN Benzoic acid, 4-[[4-methoxy-3-(1-methylethoxy)phenyl](3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)



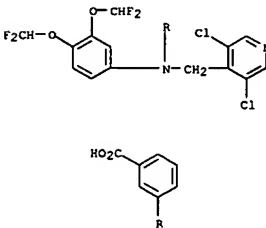
RN 651022-89-8 CAPLUS
CN Benzoic acid, 3-[[3,4-bis(difluoromethoxy)phenyl][(6-chloro-3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)



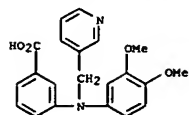
RN 651022-94-5 CAPLUS
CN Benzoic acid, 3-[[3,4-bis(difluoromethoxy)phenyl][(4-methoxy-3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)



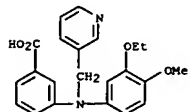
RN 651022-96-7 CAPLUS
CN Benzoic acid, 3-[[3,4-bis(difluoromethoxy)phenyl][(3,5-dichloro-4-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)



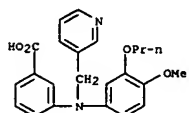
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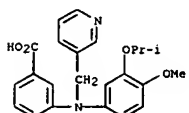
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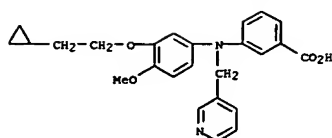
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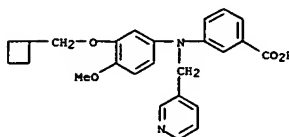
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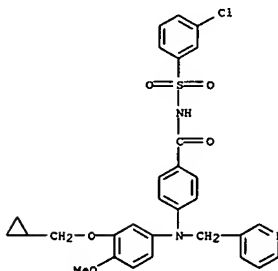
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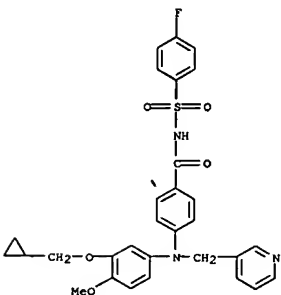
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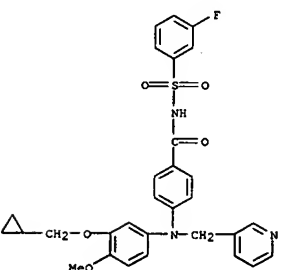
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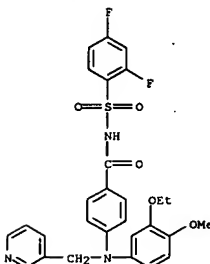
RN 651023-82-4 CAPLUS
CN Benzamide, 4-[(3-(cyclopropylmethoxy)-4-methoxyphenyl)(3-pyridinylmethyl)amino]-N-[(4-fluorophenyl)sulfonyl]- (9CI) (CA INDEX NAME)



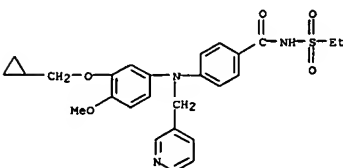
RN 651023-83-5 CAPLUS
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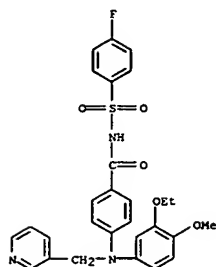
RN 651023-90-4 CAPLUS
CN Benzamide, N-[(2,4-difluorophenyl)sulfonyl]-4-[(3-ethoxy-4-methoxyphenyl)(3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)



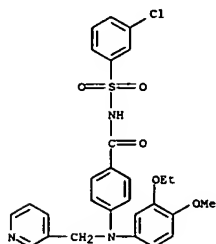
RN 651023-91-5 CAPLUS
CN Benzamide, 4-[(3-(cyclopropylmethoxy)-4-methoxyphenyl)(3-pyridinylmethyl)amino]-N-[(4-fluorophenyl)sulfonyl]- (9CI) (CA INDEX NAME)



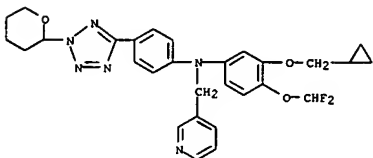
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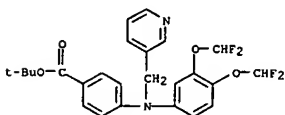
RN 651023-93-7 CAPLUS
CN Benamide, N-[(3-chlorophenyl)sulfonyl]-4-[(3-ethoxy-4-methoxyphenyl)(3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)



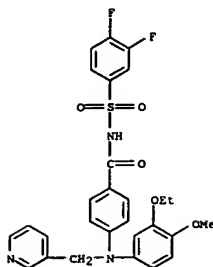
RN 651023-94-8 CAPLUS
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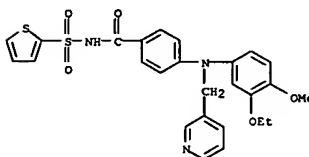
RN 651022-62-7 CAPLUS
CN Benzoic acid, 4-[(3,4-bis(difluoromethoxy)phenyl)(3-pyridinylmethyl)amino]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT



RN 651023-95-9 CAPLUS
CN Benamide, 4-[(3-ethoxy-4-methoxyphenyl)(3-pyridinylmethyl)amino]-N-(2-thienylsulfonyl)- (9CI) (CA INDEX NAME)



IT 460080-78-8, 3-Cyclopropylmethoxy-4-difluoromethoxy-N-[(3-pyridyl)methyl]-4'-[2-(tetrahydropyran-2-yl)-2H-tetrazol-5-yl]diphenylamine 651022-62-7, tert-Butyl 4-[(3,4-bis(difluoromethoxy)phenyl)[(3-pyridyl)methyl]amino]benzoate
RL: RCT (Reactant); RACT (Reactant or reagent)
[preparation of selective phosphodiesterase 4 inhibitors, including ether-functionalized N-substituted aniline and diphenylamine analogs, for cognition enhancement and other uses]
RN 460080-78-8 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopropylmethoxy)-4-(difluoromethoxy)phenyl]-N-[4-[2-(tetrahydro-2H-pyran-2-yl)-2H-tetrazol-5-yl]phenyl]- (9CI) (CA INDEX NAME)

ACCESSION NUMBER: 2002:866785 CAPLUS
DOCUMENT NUMBER: 137:363070
TITLE: Pharmaceuticals containing quinolinecarboxamides as ileal bile acid transporter inhibitors and their uses
INVENTOR(S): Kurata, Hitoshi; Furuhama, Takafumi; Kono, Keita; Kitayama, Takeshi; Hasegawa, Toru
PATENT ASSIGNEE(S): Sankyo Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 119 pp.
CODEN: JKXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002326935	A2	20021115	JP 2001-136158	20010507

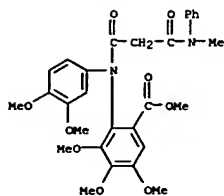
PRIORITY APPLN. INFO.: JP 2001-136158 20010507

OTHER SOURCE(S): MARPAT 137:363070
GI

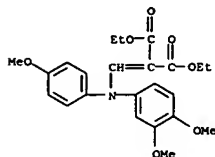
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Claimed are pharmaceuticals containing the compds. I [R1-R4 = H, OH, lower alkoxy; R5 = aryl which may be substituted with 1-5 OH or lower alkoxy; R6 = C1-10 alkyl, C2-10 alkenyl; R8 = (hetero)aryl which may be substituted with 1-5 halo, OH, lower (halo)alkyl, lower alkoxy, aryloxy, amino, etc.; if R2 = H and R3 = lower alkoxy, then R5 = aryl substituted with 1-5 OH or lower alkoxy], their pharmacol. acceptable salts, their esters, or the other derivs. Also claimed are ileal bile acid transporter inhibitors containing I, quinolinol deriva. II (R1-R6 = any group given for those in I), their pharmacol. acceptable salts, their esters, or the other derivs. The inhibitors are useful for prevention and treatment of hyperlipemia and atherosclerosis. 6,7-Dimethoxy-1-(4-methoxyphenyl)-4-oxo-1,4-dihydroquinoline-3-carboxylic acid N-methyl-N-(3,5-difluorophenyl)amide (III; preparation given) inhibited incorporation of taurocholic acid into bladder bile of a golden hamster. Tablets containing III were also formulated.

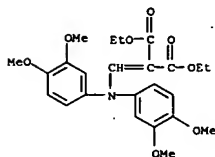
IT 339304-69-7P 339304-71-1P 339304-97-1P
339305-03-2P 339305-12-3P 474897-20-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
[preparation of quinolinecarboxamides as ileal bile acid transporter inhibitors for treatment of hypolipemia and atherosclerosis]
RN 339304-69-7 CAPLUS
CN Benzoic acid, 2-[(3,4-dimethoxyphenyl)(3-(methylphenylamino)-1,3-dioxopropyl]amino]-3,4,5-trimethoxy-, methyl ester (9CI) (CA INDEX NAME)



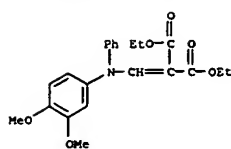
RN 339304-71-1 CAPLUS
CN Propanedioic acid, [[(3,4-dimethoxyphenyl)(4-methoxyphenyl)amino]methylene]-, diethyl ester (9CI) (CA INDEX NAME)



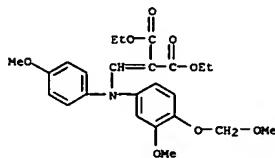
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CN Propanedioic acid, [[bis(3,4-dimethoxyphenyl)amino]methylene]-, diethyl ester (9CI) (CA INDEX NAME)



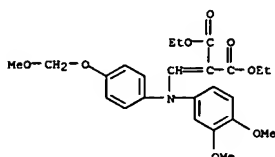
RN 339305-03-2 CAPLUS
CN Propanedioic acid, [[(3,4-dimethoxyphenyl)phenylamino]methylene]-, diethyl ester (9CI) (CA INDEX NAME)



RN 339305-12-3 CAPLUS
CN Propanedioic acid, [[(3-methoxy-4-[methoxymethoxy]phenyl)(4-methoxyphenyl)amino]methylene]-, diethyl ester (9CI) (CA INDEX NAME)



RN 474897-20-6 CAPLUS
CN Propanedioic acid, [[(3,4-dimethoxyphenyl)(4-(methoxymethoxy)phenyl)amino]methylene]-, diethyl ester (9CI) (CA INDEX NAME)



ACCESSION NUMBER: 2002:736215 CAPLUS
DOCUMENT NUMBER: 137:247488
TITLE: Preparation of C-organooxy- and N-substituted aniline and diphenylamine analogs as phosphodiesterase 4 inhibitors useful for enhancing cognition
INVENTOR(S): Hopper, Allen; Schumacher, Richard A.; Tehim, Ashok; De Vivo, Michael; Brubaker, William Frederick, Jr.; Liu, Ruiping; Hess, Hans-Juergen Ernst; Unterbeck, Axel
PATENT ASSIGNEE(S): Memory Pharmaceuticals Corporation, USA
SOURCE: PCT Int. Appl., 131 pp.
DOCUMENT TYPE: CODEN: PIXXD2
LANGUAGE: Patent
FAMILY ACC. NUM. COUNT: English
PATENT INFORMATION: 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002074726	A2	20020926	WO 2002-US1508	20020122
WO 2002074726	A3	20030313		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2435847	AA	20020926	CA 2002-2435847	20020122
US 2002151566	A1	20021017	US 2002-51309	20020122
US 6699890	B2	20040302		
EP 1353907	A2	20031022	EP 2002-731078	20020122
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EE 200300347	A	20031215	EE 2003-347	20020122
CN 1498211	A	20040519	CN 2002-807010	20020122
JP 2005073365	T2	20050317	JP 2002-573735	20020122
US 2003149052	A1	20030807	US 2003-361634	20030211
BG 108003	A	20040930	BG 2003-108003	20030718
NO 2003003288	A	20030922	NO 2003-3288	20030721
ZA 2003005623	A	20041117	ZA 2003-5623	20030721
US 2004230072	A1	20041118	US 2004-754600	20040112

PRIORITY APPL. INFO.:

OTHER SOURCE(S): MARPAT 137:247488

AB Phosphodiesterase 4 (PDE4) inhibition is achieved by novel compds., 4-R1O-3-R2OC6H3NR3R4 (1, e.g., N-substituted aniline and diphenylamine analogs: e.g. 3-cyclopentyl-4-methoxy-N-(3-pyridylmethyl)diphenylamine). In 1, R1 is C1-4 alkyl unsubstituted or substituted one or more times by halogen. R2 is C1-12 alkyl, wherein optionally one or more -CH2CH2- groups is replaced in each case by -CH=CH- or -C≡C-, C3-10 cycloalkyl, C4-16 cycloalkylalkyl, C6-14 aryl, arylalkyl with C6-14 aryl and C1-5 alkyl, a partially unsatd. C5-14 carbocyclic group, a C5-10 heterocyclic group, which is saturated, partially saturated or unsatd., in which at least 1 ring atom is a N, O or S atom, or a heterocycloalkyl group with a C5-10 heterocyclic portion that is saturated, partially saturated or unsatd., in which at least 1 ring atom is a N, O or S atom, and a C1-5 alkyl portion. R3 is H, C1-8 (preferably C1-4) alkyl, a partially unsatd. carbocycle-alkyl group with a C5-14 carbocyclic portion and a C1-5 alkyl portion, C7-19 arylalkyl with C6-14 aryl and C1-5 alkyl, or heteroarylalkyl with C5-10 heteroaryl having at least 1 ring atom N, O or S atom and with C1-5 alkyl. R4 is H, C6-14 aryl or heteroaryl having 5 to 10 ring atoms in which at least 1 ring atom is a heteroatom. Addnl. restrictions on the values of R1-R4 are given in the claims. The amnesic effect of MK-801 on working memory in rats (radial arm maze task) is reversed in a statistically significant manner by the administration of actual test compds. in a dose-dependent fashion [e.g., 3-cyclopentyl-4-methoxy-N-(3-pyridylmethyl)diphenylamine, ED = 2.5 mg/kg, i.p.; p<0.01]. The amnesic effect of MK-801 on rats in a passive avoidance experiment is reversed in a statistically significant manner by actual test compds. in a dose-dependent fashion [e.g., 3-cyclopentyl-4-methoxy-N-(3-pyridylmethyl)diphenylamine, ED range = 0.5 to 2.5 mg/kg, i.p.; and N-(3-cyclopentyl-4-methoxyphenyl)-N-(3-pyridylmethyl)-3-aminobenzoic acid, ED range = 0.1 to 2.5 mg/kg, i.p.]. Although the methods of preparation are not claimed, approx. 20 example preps. are included and hundreds of compds. are listed in the claims.

IT 460080-77-7P, 3-Cyclopropylmethoxy-4-difluoromethoxy-N-(3-pyridylmethyl)diphenylamine 460081-14-5P, 3-(3-(4-Chlorophenyl)prop-1-yloxy)-4-methoxy-N-(3-pyridylmethyl)diphenylamine 460081-15-6P, 4-Methoxy-3-(3-(4-methoxyphenyl)prop-1-yloxy)-N-(3-pyridylmethyl)diphenylamine 460081-16-7P, 4-Methoxy-3-(3-(2-pyridyl)prop-1-yloxy)-N-(3-pyridylmethyl)diphenylamine 460081-36-1P, 3-(2-(4-Chlorophenoxy)ethoxy)-4-methoxy-N-(3-pyridylmethyl)diphenylamine 460081-38-3P, 3-(2-(4-Chlorophenylamino)ethoxy)-4-methoxy-N-(3-pyridylmethyl)diphenylamine 460081-53-2P, N-(4-Methoxy-3-(2-(2-pyridyl)ethoxy)oxyphenyl)-N-(3-pyridylmethyl)-3-aminobenzoic acid 460081-64-5P, 4-Methoxy-3-(2-(4-pyridyl)ethoxy)-N-(3-pyridylmethyl)diphenylamine 460081-65-6P, 4-Methoxy-3-(2-methoxyethoxy)-N-(3-pyridylmethyl)diphenylamine 460081-67-8P, 3-Cyclopropylmethoxy-4-methoxy-N-(3-pyridylmethyl)diphenylamine 460081-69-0P, 3'-Chloro-4-methoxy-3-(2-(4-pyridyl)ethoxy)-N-(3-pyridylmethyl)diphenylamine 460081-70-3P, 3-(2-(4-Chlorophenyl)ethoxy)-4-methoxy-N-(3-pyridylmethyl)diphenylamine 460081-77-0P, 4-Methoxy-3-(2-phenoxyethoxy)-N-(3-pyridylmethyl)diphenylamine 460081-80-5P, 3-Cyclopropylmethoxy-4-difluoromethoxy-N-(3-pyridylmethyl)diphenylamine 460081-83-8P, 4-Methoxy-3-(3-(4-pyridyl)prop-1-yloxy)-N-(3-pyridylmethyl)diphenylamine

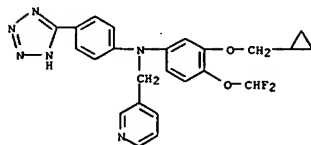
L16 ANSWER 4 OF 24 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)

460081-84-9P, 3'-Chloro-4-methoxy-3-(2-methoxyethoxy)-N-(3-pyridylmethyl)diphenylamine 460081-85-0P, 3-Cyclopropylmethoxy-4'-hydroxy-4-methoxy-N-(3-pyridylmethyl)diphenylamine 460081-91-8P, 3,4-Bis(difluoromethoxy)-N-(3-pyridylmethyl)diphenylamine 460081-99-6P, N-[3,4-Bis(difluoromethoxy)phenyl]-N-(3-pyridylmethyl)-3-aminobenzoic acid 460082-01-3P, N-(3-Cyclopropylmethoxy-4-methoxyphenyl)-N-(3-pyridylmethyl)-4-aminobenzoic acid 460082-02-4P, N-(3-Cyclopropylmethoxy-4-difluoromethoxyphenyl)-N-(3-pyridylmethyl)-3-aminobenzoic acid 460082-04-6P 460082-05-7P, N-(3-Cyclopropylmethoxy-4-methoxyphenyl)-N-(3-pyridylmethyl)-3-aminobenzoic acid 460082-07-9P, N-[3-(2-Methoxyethoxy)-4-methoxyphenyl]-N-(3-pyridylmethyl)-3-aminobenzoic acid 460082-10-4P, 3-Cyclopropylmethoxy-4-methoxy-N-(3-pyridylmethyl)-4'-(2H-tetrazol-5-yl)diphenylamine 460082-13-7P, 3-Cyclopropylmethoxy-4-difluoromethoxy-N-(3-pyridylmethyl)-3'-(2H-tetrazol-5-yl)diphenylamine 460082-22-8P, 3-Cyclopropylmethoxy-3'-ethanesulfonylamino-4-methoxy-N-(3-pyridylmethyl)diphenylamine 460082-24-0P, 4-Methoxy-3-[2-(2-pyridyl)ethoxy]-N-(3-pyridylmethyl)diphenylamine 460082-26-2P, 3'-Chloro-4-methoxy-3-[2-(2-pyridyl)ethoxy]-N-(3-pyridylmethyl)diphenylamine

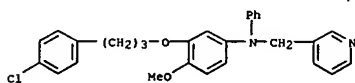
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of C-organooxy- and N-substituted aniline and diphenylamine analogs as phosphodiesterase 4 inhibitors useful for enhancing cognition)

RN 460080-77-7 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopropylmethoxy)-4-(difluoromethoxy)phenyl]-N-[4-(1H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)

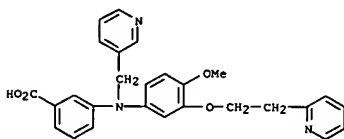


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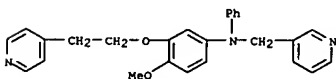


RN 460081-15-6 CAPLUS

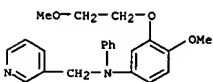
L16 ANSWER 4 OF 24 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



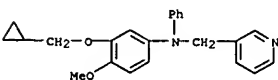
RN 460081-64-5 CAPLUS
CN 3-Pyridinemethanamine, N-[4-methoxy-3-(2-(4-pyridyl)ethoxy)phenyl]-N-phenyl- (9CI) (CA INDEX NAME)



RN 460081-65-6 CAPLUS
CN 3-Pyridinemethanamine, N-[4-methoxy-3-(2-methoxyethoxy)phenyl]-N-phenyl- (9CI) (CA INDEX NAME)



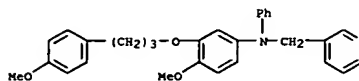
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CN 3-Pyridinemethanamine, N-[3-(cyclopropylmethoxy)-4-methoxyphenyl]-N-phenyl- (9CI) (CA INDEX NAME)



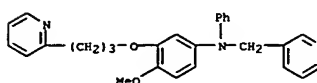
RN 460081-69-0 CAPLUS
CN 3-Pyridinemethanamine, N-[3-chlorophenyl]-N-[4-methoxy-3-(2-(4-pyridyl)ethoxy)phenyl]- (9CI) (CA INDEX NAME)

L16 ANSWER 4 OF 24 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)

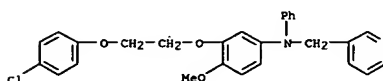
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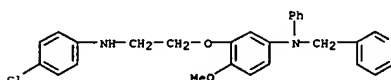
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RN 460081-36-1 CAPLUS
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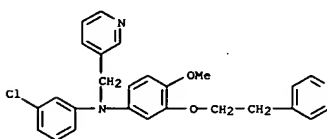


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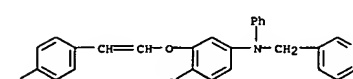


RN 460081-53-2 CAPLUS
CN Benzoic acid, 3-[[4-methoxy-3-[2-(2-pyridinyl)ethoxy]phenyl]-3-pyridinylmethyl]amino]- (9CI) (CA INDEX NAME)

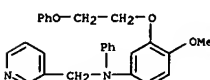
L16 ANSWER 4 OF 24 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



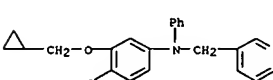
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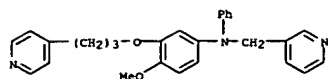
RN 460081-77-0 CAPLUS
CN 3-Pyridinemethanamine, N-[4-methoxy-3-(2-phenoxyethoxy)phenyl]-N-phenyl- (9CI) (CA INDEX NAME)



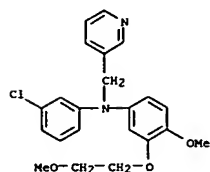
RN 460081-80-5 CAPLUS
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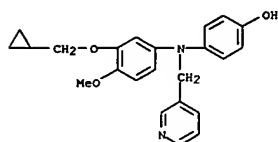
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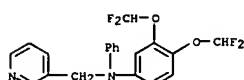
RN 460081-84-9 CAPLUS
CN 3-Pyridinemethanamine, N-[(3-chlorophenyl)-N-(4-methoxy-3-(2-methoxyethoxy)phenyl)]- (9CI) (CA INDEX NAME)



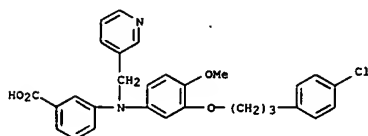
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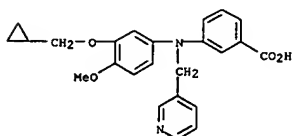
RN 460081-91-8 CAPLUS
CN 3-Pyridinemethanamine, N-[3,4-bis(difluoromethoxy)phenyl]-N-phenyl- (9CI) (CA INDEX NAME)



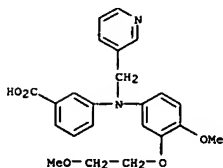
RN 460081-99-6 CAPLUS
CN Benzoic acid, 3-[[3,4-bis(difluoromethoxy)phenyl](3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)



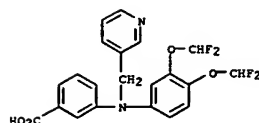
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CN Benzoic acid, 3-[[3-(cyclopropylmethoxy)-4-methoxyphenyl](3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)



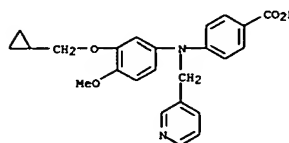
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CN Benzoic acid, 3-[[4-methoxy-3-(2-methoxyethoxy)phenyl](3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)



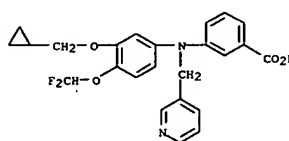
RN 460082-10-4 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopropylmethoxy)-4-methoxyphenyl]-N-(4-(1H-tetrazol-5-yl)phenyl)- (9CI) (CA INDEX NAME)



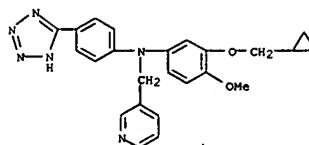
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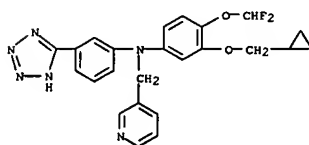
RN 460082-02-4 CAPLUS
CN Benzoic acid, 3-[[3-(cyclopropylmethoxy)-4-(difluoromethoxy)phenyl](3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)



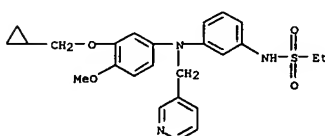
RN 460082-04-6 CAPLUS
CN Benzoic acid, 3-[[3-[3-(4-chlorophenyl)propoxy]-4-methoxyphenyl](3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)



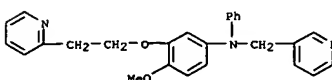
RN 460082-13-7 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopropylmethoxy)-4-(difluoromethoxy)phenyl]-N-[3-(1H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)



RN 460082-22-8 CAPLUS
CN Ethanesulfonamide, N-[3-[[3-(cyclopropylmethoxy)-4-methoxyphenyl](3-pyridinylmethyl)amino]phenyl]- (9CI) (CA INDEX NAME)

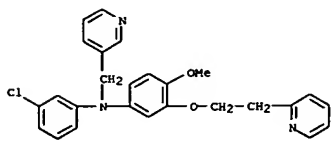


RN 460082-24-0 CAPLUS
CN 3-Pyridinemethanamine, N-[4-methoxy-3-(2-methoxyethoxy)phenyl]-N-(4-(1H-tetrazol-5-yl)phenyl)- (9CI) (CA INDEX NAME)



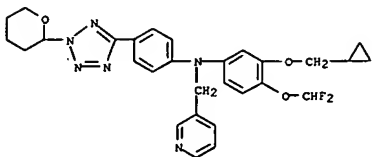
L16 ANSWER 4 OF 24 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)

RN 460082-26-2 CAPLUS
CN 3-Pyridinemethanamine, N-(3-chlorophenyl)-N-[4-methoxy-3-[2-(2-pyridinyl)ethoxy]phenyl]- (9CI) (CA INDEX NAME)



IT 460080-78-8, 3-Cyclopropylmethoxy-4-difluoromethoxy-N-(3-pyridylmethyl)-4'-[2-(2-tetrahydropyranyl)-2H-tetrazol-5-yl]diphenylamine
RL: RCT (Reactant); RACT (Reactant or reagent)
(reactant; preparation of C-organooxy- and N-substituted aniline and diphenylamine analogs as phosphodiesterase 4 inhibitors useful for enhancing cognition)

RN 460080-78-8 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopropylmethoxy)-4-(difluoromethoxy)phenyl]-N-[4-[2-(tetrahydro-2H-pyran-2-yl)-2H-tetrazol-5-yl]phenyl]- (9CI) (CA INDEX NAME)



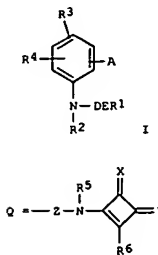
L16 ANSWER 5 OF 24 CAPLUS COPYRIGHT 2005 ACS ON STN

ACCESSION NUMBER: 2002:566256 CAPLUS
DOCUMENT NUMBER: 137:124978
TITLE: Preparation of phenylamines as ileal bile acid transporter inhibitors
INVENTOR(S): Kurata, Hitoshi; Hasegawa, Toru; Kono, Keita; Kitayama, Takeshi
PATENT ASSIGNEE(S): Sankyo Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 78 pp.
CODEN: JKXKAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002212152	A2	20020731	JP 2001-11412	20010119

PRIORITY APPL. INFO.: JP 2001-11412

OTHER SOURCE(S): MARPAT 137:124978
GI

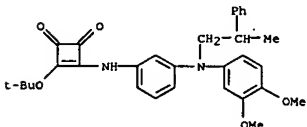


AB The compds. I (R1, R2 = (un)substituted cycloalkyl, aryl, heterocyclyl; R3, R4 = H, halo, OH, SH, lower alkyl, etc.; A = Q; R5 = H, lower alkyl; R6 = OH, lower alkoxy, lower alkylthio, amine residue; X, Y = O, S; Z = single bond, Cl-6 alkylene; D = Cl-6 alkylene; E = single bond, CR7R8; R7 = H; R8 = OH, lower alkyl, lower alkoxy; R7R8 = methylene, oxo group), their pharmaceutically acceptable salts, esters, or other derivs., useful as hypolipemic agents, are prepared
3-Tert-butoxy-4-(3-[(4-methoxyphenyl)-(2-phenylpropyl)amino]phenylamino)-3-cyclobutene-1,2-dione (596 mg) was treated with F3CCO2H in CH2Cl2 at room temperature for 2 h to give 448 mg 3-hydroxy-4-[3-[(4-methoxyphenyl)-(2-phenylpropyl)amino]phenylamino]-3-cyclobutene-1,2-dione showing 66% control of ileal bile acid transporter activity in a hamster.

IT 444170-47-2P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP

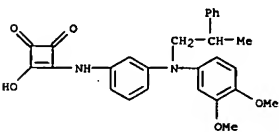
L16 ANSWER 5 OF 24 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
(Preparation); RACT (Reactant or reagent); USES (Uses)

RN 444170-47-2 CAPLUS
CN 3-Cyclobutene-1,2-dione, 3-[[3-[(3,4-dimethoxyphenyl)-(2-phenylpropyl)amino]phenyl]amino]-4-(1,1-dimethylethoxy)- (9CI) (CA INDEX NAME)



IT 444170-49-4P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of phenylamines as ileal bile acid transporter inhibitors)
RN 444170-49-4 CAPLUS
CN 3-Cyclobutene-1,2-dione, 3-[[3-[(3,4-dimethoxyphenyl)-(2-phenylpropyl)amino]phenyl]amino]-4-hydroxy- (9CI) (CA INDEX NAME)



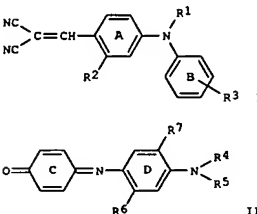
L16 ANSWER 6 OF 24 CAPLUS COPYRIGHT 2005 ACS ON STN

ACCESSION NUMBER: 2002:566148 CAPLUS
DOCUMENT NUMBER: 137:126578
TITLE: Thermal-transfer recorded images, their manufacture, and thermal-transfer sheets with good light resistance
INVENTOR(S): Murata, Yukichi; Ishida, Yoshinori; Nakamura, Shinichiro; Dominick, Gyomon
PATENT ASSIGNEE(S): Mitsubishi Chemical Corp., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXKAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002211143	A2	20020731	JP 2001-8658	20010117

PRIORITY APPL. INFO.: JP 2001-8658

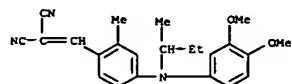
OTHER SOURCE(S): MARPAT 137:126578
GI



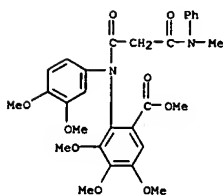
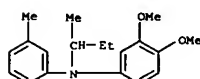
AB The images are prepared from mixts. of (a) yellow dyes of styryl compds. I

[R1 = (substituted) alkyl, alkenyl, cycloalkyl, aryl; if R1 = alkyl or alkenyl, benzene ring A and B may form condensed polyheterocyclic compound; R2 = H, (substituted) alk(oxy)yl; R3 = OH, (substituted) alkoxy; benzene ring A and B may have further substituents] and (b) cyan dyes of indoaniline compds. Thus, a PET film was coated with a composition containing BR 80 (acrylic polymer) and KF 393 (amino-modified silicone oil) on one side, dried, coated with an ink composition containing BX 1 (polyvinyl butyral) and I (R1 = CH(CH3)C2H5; R2 = Me, R3 = 4'-OMe, prepared from N-sec-butyl-m-toluidine, p-methoxyphenyl iodide, and malononitrile) with λ_{max} 439 nm and mol. extinction coefficient 57,000, further coated with an ink composition containing BX

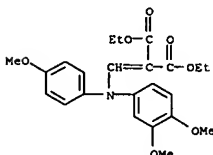
1 and II (R4, R5 = Et; R6 = Me; R7 = H; ring C substituted with 3'-NHCOCH3, 6'-Me) on the other side, and dried to give a thermal-transfer sheet giving clear green images.
IT 444121-86-2P
RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (preparation of thermal-transfer dyes with good light resistance)
RN 444121-86-2 CAPLUS
CN Propanedinitrile, [[4-[(3,4-dimethoxyphenyl)(1-methylpropyl)amino]-2-methylphenyl]methylene]- (9CI) (CA INDEX NAME)



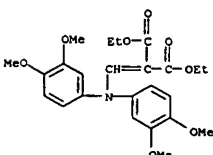
IT 444121-87-3P
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent) (preparation of thermal-transfer dyes with good light resistance)
RN 444121-87-3 CAPLUS
CN Benzenamine, 3,4-dimethoxy-N-(3-methylphenyl)-N-(1-methylpropyl)- (9CI) (CA INDEX NAME)



RN 339304-71-1 CAPLUS
CN Propanedioic acid, [[(3,4-dimethoxyphenyl)(4-methoxyphenyl)amino]methylene]-, diethyl ester (9CI) (CA INDEX NAME)



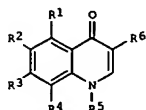
RN 339304-97-1 CAPLUS
CN Propanedioic acid, [[bis(3,4-dimethoxyphenyl)amino]methylene]-, diethyl ester (9CI) (CA INDEX NAME)



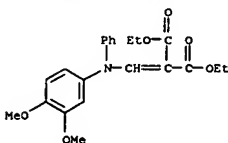
RN 339305-03-2 CAPLUS
CN Propanedioic acid, [[(3,4-dimethoxyphenyl)phenylamino]methylene]-, diethyl ester (9CI) (CA INDEX NAME)

ACCESSION NUMBER: 2001:359965 CAPLUS
DOCUMENT NUMBER: 134:353262
TITLE: Preparation of dihydroquinoline derivatives as inhibitors of ileal bile acid transporter
INVENTOR(S): Kurata, Hitoshi; Kohama, Takafumi; Kono, Keita; Kitayama, Ken; Hasegawa, Tohru
PATENT ASSIGNEE(S): Sankyo Company, Ltd., Japan
SOURCE: PCT Int. Appl., 278 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NO.: 1
PATENT INFORMATION:

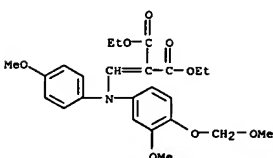
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001034570	A1	20010517	WO 2000-JP7852	20001108
W: AU, BR, CA, CN, CZ, HU, ID, IL, IN, KR, MX, NO, NZ, PL, RU, US,				
ZA				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
JP 2001199965	A2	20010724	JP 2000-338720	20001107
PRIORITY APPLN. INFO.:			JP 1999-316621	A 19991108
OTHER SOURCE(S):			MARPAT 134:353262	
GI				



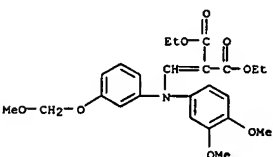
AB The title compds. I (R1, R2, R3 and R4 are each hydrogen, hydroxyl, or lower alkoxy; R5 is aryl; and R6 is CONR7R8 (wherein R7 is C1-10 alkyl or C2-10 alkenyl; and R8 is aryl or an aromatic heterocyclic group), with the proviso that when R2 is hydrogen and R3 is lower alkoxy, R5 is aryl which is mono- to penta-substituted with hydroxyl and/or lower alkoxy groups) are prepared
6,7-Dimethoxy-1-[(4-methoxyphenyl)-4-oxo-1,4-dihydroquinoline-3-carboxylic acid N-methyl-N-(3,5-difluorophenyl)amide in vitro at 30 µg/mL gave 55.3% inhibition of the ileal type bile acid transporter. A formulation is given.
IT 339304-69-7P 339304-71-1P 339304-97-1P
339305-03-2P 339305-12-3P 339305-24-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation of dihydroquinoline derivs. as inhibitors of ileal bile acid transporter)
RN 339304-69-7 CAPLUS
CN Benzoic acid, 2-[(3,4-dimethoxyphenyl)[3-(methylphenylamino)-1,3-dioxopropyl]amino]-3,4,5-trimethoxy-, methyl ester (9CI) (CA INDEX NAME)



RN 339305-12-3 CAPLUS
CN Propanedioic acid, [[(3-methoxy-4-(methoxymethoxy)phenyl)(4-methoxyphenyl)amino]methylene]-, diethyl ester (9CI) (CA INDEX NAME)

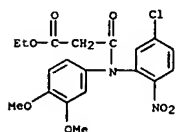


RN 339305-24-7 CAPLUS
CN Propanedioic acid, [[(3,4-dimethoxyphenyl)[3-(methoxymethoxy)phenyl]amino]methylene]-, diethyl ester (9CI) (CA INDEX NAME)

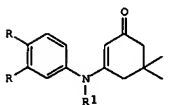


REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

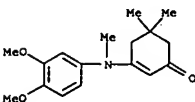
L16 ANSWER 8 OF 24 CAPLUS COPYRIGHT 2005 ACS ON STN
 ACCESSION NUMBER: 1993:640847 CAPLUS
 DOCUMENT NUMBER: 119:240847
 TITLE: Metabolic profiling of clobazam, a 1,5-benzodiazepine, in rats
 AUTHOR(S): Borel, Anthony G.; Abbott, Frank S.
 CORPORATE SOURCE: Fac. Pharm., Sci. Univ. British Columbia, Vancouver, BC, V6T 1Z3, Can.
 SOURCE: Drug Metabolism and Disposition (1993), 21(3), 415-27
 CODEN: DMDSDI; ISSN: 0090-9556
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB The metabolism of the 1,5-benzodiazepine clobazam (CLBZ) was investigated in rats and in vitro by GC/MS using stable isotope techniques. Co-administration of CLBZ and pentadeuteriophenyl-CLBZ to rats facilitated the identification of 4'-hydroxy-CLBZ, 4'-hydroxy-N-desmethylclobazam (4'-hydroxy-DMC), 5,3',4'-dihydroxy-CLBZ, 4'-hydroxy-3'-methoxy-DMC in bile as both glucuronide and sulfate conjugates. Some of the metabolites were present in the urine as sulfate conjugates. 4'-Hydroxy-CLBZ and 4'-hydroxy-3'-methoxy-CLBZ were the major conjugated metabolites in bile and urine, resp. An unusual in vivo disposition of CLBZ to the O-methyl catechols was discovered. In bile, the p-O-Me catechol metabolite constituted 2% of the O-Me catechols as a glucuronide conjugate, in contrast to constituting 30% (of the O-Me catechols) as a sulfate. This marks an unprecedented observation of a different catechol O-Me isomer ratio within the same biol. fluid for different conjugate pools. The isotope effect associated with the microsomal N-demethylation of trideuteriomethyl CLBZ was determined. The values of k_H/k_D were calculated at 5.07 and 3.88 for control and induced microsomes, resp.
 IT 151093-49-1P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation and nitro group reduction and cyclization of, in clobazam metabolism study)
 RN 151093-49-1 CAPLUS
 CN Propanoic acid, 3-[(5-chloro-2-nitrophenyl)(3,4-dimethoxyphenyl)amino]-3-oxo-, ethyl ester (9CI) (CA INDEX NAME)



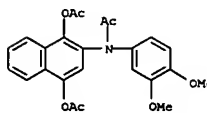
L16 ANSWER 10 OF 24 CAPLUS COPYRIGHT 2005 ACS ON STN
 ACCESSION NUMBER: 1989:447156 CAPLUS
 DOCUMENT NUMBER: 111:47156
 TITLE: Electroorganic synthesis. 40. Oxidative cyclization of 3-anilino-cyclohex-2-enones to tetrahydrocarbazoles
 AUTHOR(S): Schaefer, Hans J.; Eilenberg, Wolf
 CORPORATE SOURCE: Org. Chem. Inst., Univ. Muenster, Muenster, 4400, Fed.
 SOURCE: Rep. Ger. Heterocycles (1989), 28(2), 979-85
 CODEN: HETCYM; ISSN: 0385-5414
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 GI



AB I (R = MeO, R' = H; R = R' = H; R = MeO, R' = Me) were prepared from anilines and 5,5-dimethyl-1,3-cyclohexanedione. Anodic oxidation of I (R = MeO, R' = H) affords the p-benzoquinone monoimine di-Me acetal, that is cyclized with CF3CO2H to the tetrahydrocarbazole. Lead tetraacetate oxidation of I (R = MeO, R = Me) lead to the tetrahydrocarbazole.
 IT 95602-16-7
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (oxidative cyclization of, tetrahydrocarbazoles from)
 RN 95602-16-7 CAPLUS
 CN 2-cyclohexen-1-one, 3-[(3,4-dimethoxyphenyl)methylamino]-5,5-dimethyl- (9CI) (CA INDEX NAME)



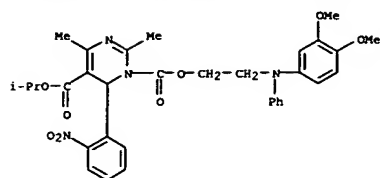
L16 ANSWER 9 OF 24 CAPLUS COPYRIGHT 2005 ACS ON STN
 ACCESSION NUMBER: 1990:118481 CAPLUS
 DOCUMENT NUMBER: 112:118481
 TITLE: Preparation of 1,4-dihydroxynaphthalene derivatives for wound healing and for treatment of delayed allergies
 INVENTOR(S): Imada, Junichi; Ishitoku, Takeshi; Isayama, Shigeru; Furuya, Yoshiro; Takahashi, Katsuya; Ori, Aichiro; Nakamura, Hideo; Motoyoshi, Satoru
 PATENT ASSIGNEE(S): Mitsui Petrochemical Industries, Ltd., Japan; Dainippon Pharmaceutical Co., Ltd.
 SOURCE: Jpn. Kokai Tokkyo Koho, 47 pp.
 CODEN: JYOKAA
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:
 PATENT NO. KIND DATE APPLICATION NO. DATE
 JP 01203351 A2 19890816 JP 1988-25330 19880205
 JP 1988-25330 19880205
 PRIORITY APPL. INFO.:
 OTHER SOURCE(S): MARPAT 112:118481
 GI For diagram(s), see printed CA Issue.
 AB The title compds. I (R1, R4 = H, alkyl, alkoxy, carbonyl, alkylsulfonyle, dialkylcarbamoyl, alkoxyalkyl, alkyl; R2 = cyano, CHO, N-acyloximinomethyl, substituted CONH2, acylalkyl, (CH2CH:OMeCH2)nH (n = 2-4), CH2CH:OMe2, acyloxyalkyl, alkoxyalkyl, (un)substituted alkylsulfonyle, SO3H, substituted OH or NH2, N-substituted CH2NH2, CO2H, R3 = H, alkyl, acyloxyalkyl, etc.), useful for wound healing and for treatment of delayed allergies, are prepared. Thus, treatment of 1,4-naphthalenediol ditetrahydropyranyl ether (preparation given) with Et2O followed by DMF gave, after deprotection, 2-formyl-1,4-dihydroxynaphthalene which was acetylated with Ac2O in pyridine to give 2-formyl-1,4-diacetoxynaphthalene. I inhibited 24.2-96.6% auricle edema in mice sensitized with oxazolone.
 IT 125499-55-0P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of, as allergy inhibitor and for wound healing)
 RN 125499-55-0 CAPLUS
 CN Acetamide, N-[1,4-bis(acetyloxy)-2-naphthalenyl]-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)



L16 ANSWER 11 OF 24 CAPLUS COPYRIGHT 2005 ACS ON STN
 ACCESSION NUMBER: 1989:39017 CAPLUS
 DOCUMENT NUMBER: 110:39017
 TITLE: N-substituted 3,4-dihydropyrimidine derivatives as calcium antagonists
 INVENTOR(S): Cho, Hidetsura; Ueda, Masaru
 PATENT ASSIGNEE(S): Sunitory, Ltd., Japan
 SOURCE: Eur. Pat. Appl., 20 pp.
 CODEN: EPXDXW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:
 PATENT NO. KIND DATE APPLICATION NO. DATE
 EP 280227 A1 19880831 EP 1988-102557 19880222
 EP 280227 B1 19920115
 R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE
 JP 63208580 A2 19880830 JP 1987-38345 19870221
 US 4920124 A 19900424 US 1988-157777 19880219
 AT 71620 E 19920215 AT 1988-102557 19880222
 ES 2039485 T3 19931001 ES 1988-102557 19880222
 PRIORITY APPL. INFO.: JP 1987-38345 A 19870221
 EP 1988-102557 A 19880222
 OTHER SOURCE(S): CASREACT 110:39017; MARPAT 110:39017
 GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The title compds. I (R = Cl-4 alkyl; X1 - X3 = H, halo, Cl-4 alkyl, alkoxy, NO2, CF3, OH, text-BuSiMe2O, with the proviso that X1 - X3 are not all H) were prepared as calcium antagonists. A mixture of 5-isopropoxybenzyl-2,6-dimethyl-4-(2-nitrophenyl)-1,4-(3,4)-dihydropyrimidine and phosgene dimer in THF containing Et3N was stirred for 1 h. A solution of 2-(N-benzyl-N-(3,4-dichlorobenzyl)amino)ethanol in THF was then added, and the resulting mixture stirred at room temperature for 20 h to give 50% dihydropyrimidine II. II exhibited an ED50 of 2.1 µg/kg i.v. with respect to vascular resistance of the vertebral artery in anesthetized dogs.
 IT 118261-52-2P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of, as calcium antagonist)
 RN 118261-52-2 CAPLUS
 CN 1,5(6H)-Pyrimidinedicarboxylic acid, 2,4-dimethyl-6-(2-nitrophenyl)-, 1-[2-[(3,4-dimethoxyphenyl)phenylamino]ethyl] 5-(1-methylethyl) ester (9CI) (CA INDEX NAME)

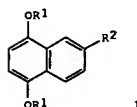


L16 ANSWER 12 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1988:610744 CAPLUS
 DOCUMENT NUMBER: 109:210744
 TITLE: 1,4-Naphthalendiols derivatives for treatment of wound and delayed allergy.
 INVENTOR(S): Ishitoku, Takeshi; Imuda, Junichi; Furuya, Yoshiro; Isayama, Shigeru; Nakamura, Hideo
 PATENT ASSIGNEE(S): Mitsui Petrochemical Industries, Ltd., Japan; Dainippon Pharmaceutical Co., Ltd.
 SOURCE: Jpn. Kokai Tokkyo Koho, 39 pp.
 CODEN: JKXKAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

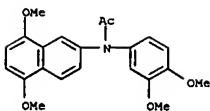
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63122638	A2	19880526	JP 1986-268655	19861113
JP 08025933	B4	19960313		

PRIORITY APPLN. INFO.: JP 1986-268655 19861113

OTHER SOURCE(S): MARPAT 109:210744
 GI



AB The title compds. (I; R1 = H, alkyl, alkylsulfonyl, acyl; R2 = carbonyl, carboxyl, formyl, acyl, alkoxy, morpholino, etc.), useful as agents for treatment of wounds and delayed allergy, are prepared To an adduct of
 1:1 (mol ratio) benzoquinone-butadiene in PhNO2 were successively added at .apprx.0° C3H7COCl and AlCl3 and the mixture was kept at .apprx.0° for 1 h and then at room temperature for 3 h to give 37% 1,4-dibutyryloxy-5,8-dihydro-6-(1-oxobutyl)naphthalene which was hydrolyzed and then acylated with Ac2O at 130° for 2 h to give 92% 1,4-diacetoxy-5,8-dihydro-6-(1-oxobutyl)naphthalene. The latter compound was dehydrogenated in a mixture of PhMe-methylstyrene at 230° for 5 h to give 68% I (R1 = COMe, R2 = COCH2CH2Me) (II) which (at 2 mg soaked in
 2 felt balls) implanted in rats caused 38.9% of the granuloma caused by the felt balls alone. II at 1 mg on rat ears reduced delayed allergy induced by oxazolone solution by 65.2%.
 IT 117255-75-1P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of, as delayed allergy inhibitor and wound treating agent)
 RN 117255-75-1 CAPLUS
 CN Acetamide, N-(5,8-dimethoxy-2-naphthalenyl)-N-(3,4-dimethoxyphenyl)- (9CI)
 (CA INDEX NAME)

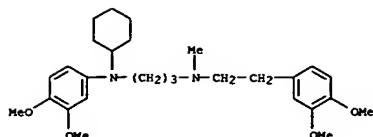


L16 ANSWER 13 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1988:111951 CAPLUS
 DOCUMENT NUMBER: 108:111951
 TITLE: Aromatic diamines for the treatment of angina, and a process for their preparation
 INVENTOR(S): Maschler, Harald
 PATENT ASSIGNEE(S): Beecham-Wuelffing G.m.b.H. and Co. K.-G., Fed. Rep. Ger.
 SOURCE: Eur. Pat. Appl., 115 pp.
 CODEN: EPXKDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 233762	A2	19870826	EP 1987-301246	19870213
EP 233762	A3	19890510		
EP 233762	B1	19920819		

R: BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE
 DK 8700755 A 19870816 DK 1987-755 19870213
 AU 8768779 A1 19870820 AU 1987-68779 19870213
 JP 62240653 A2 19871021 JP 1987-31330 19870213
 JP 2543690 B2 19961016
 ZA 8701062 A 19881026 ZA 1987-1062 19870213
 US 5494933 A 19960227 US 1995-456608 19950601
 US 5602174 A 19970211 US 1995-458046 19950601
 JP 08268983 A2 19961015 JP 1996-78140 19960307
 GB 1986-3765 A 19860215
 US 1987-14474 B1 19870213
 US 1990-514675 B1 19900425
 US 1992-845522 B1 19920304

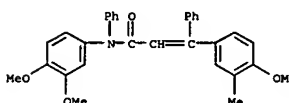
AB The title compds. R1R2NANR3BR4 (I; R1, R4 = (substituted) Ph; R2 = (CH2)2CN (Z = 0-4), alkyl, cycloalkyl or cycloalkylalkyl (1-2 optional ring alkyl groups), phenylalkyl, pyridyl or pyridylalkyl (may be substituted as for R1), COR7, COCH2COR7, SO2R7, CO2R7, CONHR7 (R7 = alkyl, cycloalkyl, cycloalkylalkyl, Ph, phenylalkyl), all with optional substitution of alkyl by OH or alkanoyloxy; R3 = H, alkyl; A = C2-5 alkylene; B = C1-4 alkylene) are prepared as agents for the treatment of angina. Alkylation of 3,4-(MeO)2C6H3NH(CH2)3NMe(CH2)2C6H3(OMe)2-3,4 (preparation given) with 2-O2NC6H4CH2Cl and Et3N in refluxing CHCl3 gave
 I (R1 = R4 = 3,4-(MeO)2C6H3, R2 = 2-O2NC6H4, R3 = Me, A = (CH2)3, B = (CH2)2 (II) in 22% yield after chromatog. on silica. II was active against vasopressin-induced coronary spasms in anesthetized rats at 0.6 g/kg i.d.
 IT 113241-20-6P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of, as antianginal agent)
 RN 113241-20-6 CAPLUS
 CN 1,3-Propanediamine, N-cyclohexyl-N-(3,4-dimethoxyphenyl)-N'-(2-(3,4-dimethoxyphenyl)ethyl)-N'-methyl- (9CI) (CA INDEX NAME)



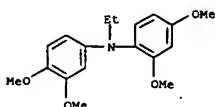
L16 ANSWER 14 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1987:402684 CAPLUS
 DOCUMENT NUMBER: 107:2684
 TITLE: Preparation of acrylamides as fungicides
 INVENTOR(S): Curtze, Juergen; Albert, Guido; Drandarevski, Christo;
 PATENT ASSIGNEE(S): Pieper, Helmut; Nickl, Josef
 SOURCE: Celamerck G.m.b.H. und Co. K.-G., Fed. Rep. Ger.
 Ger. Offen., 22 pp.
 CODEN: GWCKBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3525623	A1	19870122	DE 1985-3525623	19850718
EP 208999	A1	19870121	EP 1986-109031	19860702
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
PRIORITY APPLN. INFO.: DE 1985-3525623				A 19850718

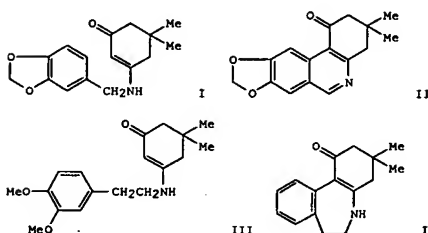
GI For diagram(s), see printed CA Issue.
 AB The acrylamides ABC:CRICOQ [R1 = H, halo, CN, (un)substituted alkyl or alkoxyalkyl; A = R2-substituted Ph; B = I, II, III, IV; k = 0, 1, 2; m = 0-3; X = CH2, O, S, NH, aminoalkylene; R2 = halo, NO2, OH, CN, CO2H, alkoxy, carbonyl, etc.; Q = V, VI; R3 = H, (un)substituted alkyl or Ph; R4 = substituted alkyl, cycloalkyl, Ph, etc.; R5 = H, alkyl] and their salts are prepared as fungicides (no data) by reacting ABC:CRICO2H with HQ, or by reacting ABCO with (R6O)2PCHRICOOQ (R6 = alkyl). A solution of 3-(3,4-dimethoxyphenyl)-3-phenylacrylic acid and Et3N in THF was treated at 5° with ClCO2Et in THF, followed by the addition of 1-methylamino-1-methylprop-2-yne and refluxing for 1 h, to give 3-(3,4-dimethoxyphenyl)-3-phenylacrylic acid N-(but-1-yn-3-yl)-N-methylamide (VII). A formulation contained VII 20, kaolin 20, Na2SO4 5, whiting 2, Ca ligninsulfonate 9, Na diisobutylphthalenesulfonate 1, and silica chalk 43% by weight
 IT 107110-83-8P
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as fungicide)
 RN 107110-83-8 CAPLUS
 CN 2-Propenamide, N-(3,4-dimethoxyphenyl)-3-(4-methoxy-3-methylphenyl)-N,3-diphenyl- (9CI) (CA INDEX NAME)



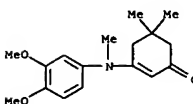
L16 ANSWER 15 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1986:49452 CAPLUS
 DOCUMENT NUMBER: 104:49452
 TITLE: Projection of an endocoid involved with schizophrenic reaction
 AUTHOR(S): Proctor, Charles D.; Cho, James B.; Nicolls, Arthur
 A: Proctor, Charles D.; Cho, James B.; Nicolls, Arthur
 CORPORATE SOURCE: Med. Sch., Mercer Univ., Macon, GA, 31207, USA
 SOURCE: Progress in Clinical and Biological Research (1985), 192(Endocoids), 387-93
 CODEN: PCBRD2; ISSN: 0361-7742
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB The present and previous studies showed that 3,4-dimethoxyphenylethylamine (DMPEA), incubated with blood plasma from unmedicated, acute schizophrenics, administered to aggregated mice pretreated with the monoamine oxidase inhibitor, phenylisobutylhydrazine, produced an amphetamine-like excitatory, lethal response in such mice. The use of blood plasma from 92 unmedicated, acute schizophrenics in the test system gave 82 pos. responses (89%) and 10 neg. responses (11%). Substitution of the blood plasmas from 94 non-schizophrenics analogously into this test system produced 2 pos. responses (2%) and 92 neg. responses (98%). When plasma from schizophrenics medicated with antipsychotic tranquilizers were tested in the system, none gave pos. responses, and 58 gave neg. responses. If the compound bis-N,N-dimethoxyphenylethylamine (bis-DMPEA) was either added to DMPEA or substituted for it and incubated with inactive blood plasma taken from non-schizophrenics in the incubation step of the test system a marked pos. response was elicited. The results obtained are compatible with the hypothesis which postulates that a DMPEA metabolite functions as a pathol. endocoid in schizophrenic reaction.
 IT 99874-41-6
 RL: BIOL (Biological study)
 (schizophrenia behavioral reaction in relation to)
 RN 99874-41-6 CAPLUS
 CN Benzenamine, N-(3,4-dimethoxyphenyl)-N-ethyl-2,4-dimethoxy- (9CI) (CA INDEX NAME)



L16 ANSWER 16 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1985:149093 CAPLUS
 DOCUMENT NUMBER: 102:149093
 TITLE: Anodic intramolecular arylation of enamines
 AUTHOR(S): Eilenberg, W.; Schaefer, H. J.
 CORPORATE SOURCE: Org.-Chem. Inst., Univ. Muenster, Muenster, D-4400, Fed. Rep. Ger.
 SOURCE: Tetrahedron Letters (1984), 25(44), 5023-6
 CODEN: TELEAY; ISSN: 0040-4039
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 102:149093
 GI

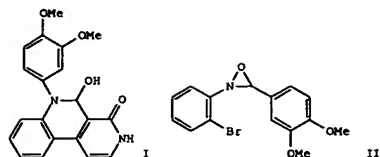
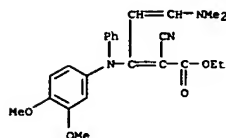


AB N-Benzyl- and β-phenylethyl-enammones are cyclized at the anode to isoquinolines and benzazepines. Thus, I gave 45% II, and III gave 43% IV.
 IT 95602-16-7
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (electrochem. cyclization of)
 RN 95602-16-7 CAPLUS
 CN 2-Cyclohexen-1-one, 3-[(3,4-dimethoxyphenyl)methylamino]-5,5-dimethyl- (9CI) (CA INDEX NAME)

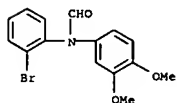


L16 ANSWER 17 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1983:612779 CAPLUS
 DOCUMENT NUMBER: 99:212779
 TITLE: A classical approach to the synthesis of perlioline
 AUTHOR(S): Kasun, Bruno; Prager, Rolf H.
 CORPORATE SOURCE: Org. Chem. Dep., Univ. Adelaide, Adelaide, 5001, Australia
 SOURCE: Australian Journal of Chemistry (1983), 36(7),
 1455-67
 CODEN: AJCHAS; ISSN: 0004-9425
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 GI

L16 ANSWER 17 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 (dimethylamino)-, ethyl ester (9CI) (CA INDEX NAME)



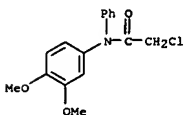
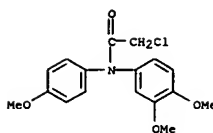
AB A synthesis of perlioline (I) by reaction of (2-bromophenyl)(3,4-dimethoxyphenyl)amine with a C-4 substituted 2-oxo-1,2-dihydropyridine-3-carboxylic acid was unsuccessful due to the inability to form the amide bond. The diphenylamine was prepared from the nitro of dimethoxybenzylidene-2-bromoaniline via the oxaziridine II, the thermal rearrangement of which was investigated. Conjugate addns. of a diphenylamine dianion to unsatd. esters are reported.
 IT 87853-81-4P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and hydrolysis of)
 RN 87853-81-4 CAPLUS
 CN Formamide, N-(2-bromophenyl)-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)



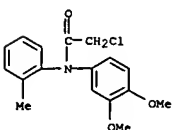
IT 87853-87-0P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 87853-87-0 CAPLUS
 CN 2,4-Pentadienoic acid, 2-cyano-3-[(3,4-dimethoxyphenyl)phenylamino]-5-

L16 ANSWER 18 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1983:138894 CAPLUS
 DOCUMENT NUMBER: 98:138894
 TITLE: N-Arylalkyl-2-chloroacetanilides as plant-growth regulating agents
 AUTHOR(S): Venkov, A.; Nikolova, M.; Mollov, N.
 CORPORATE SOURCE: Dep. Chem., Univ. Plovdiv, Plovdiv, 4000, Bulg.
 SOURCE: Chemistry & Industry (London, United Kingdom) (1982), (20), 808-9
 CODEN: CHINAG; ISSN: 0009-3068
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 98:138894
 AB Plant growth regulating activity of several N-arylalkyl-2-chloroacetanilides was tested on seedlings of wheat as representative of monocotyledons and on a cucumber from dicotyledons using alachlor and metolachlor as stds. The compds. showed selective activity against monocotyledons. The herbicidal activity of the compds. was proved against such weeds as Amaranthus, Atriplex, and Veronica.
 IT 85271-22-3P 85271-23-4P 85271-24-5P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation and plant-growth regulating activity of)
 RN 85271-22-3 CAPLUS
 CN Acetamide, 2-chloro-N-(3,4-dimethoxyphenyl)-N-phenyl- (9CI) (CA INDEX NAME)

L16 ANSWER 18 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



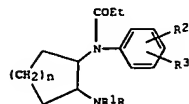
RN 85271-23-4 CAPLUS
 CN Acetamide, 2-chloro-N-(3,4-dimethoxyphenyl)-N-(2-methylphenyl)- (9CI)
 (CA INDEX NAME)



RN 85271-24-5 CAPLUS
 CN Acetamide, 2-chloro-N-(3,4-dimethoxyphenyl)-N-(4-methoxyphenyl)- (9CI)
 (CA INDEX NAME)

L16 ANSWER 19 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1981:525875 CAPLUS
DOCUMENT NUMBER: 95:125875
TITLE: A new nontricyclic antidepressant agent. Synthesis and activity of N-[(trans-2-dimethylaminocyclopentyl)-N-(3,4-dichlorophenyl)propanamide and related compounds
AUTHOR(S): Szmuszkowicz, J.; VonVoigtlander, P. F.; Kane, M. P.
CORPORATE SOURCE: Res. Lab., Upjohn Co., Kalamazoo, MI, 49001, USA
SOURCE: Journal of Medicinal Chemistry (1981), 24(10), 1230-6
CODEN: JMCMAR; ISSN: 0022-2623
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 95:125875
GI



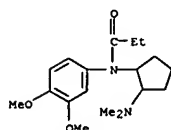
AB Sixty-seven compds. I (R and R' = H, Me, Et, etc.; R2 and R3 = H, Me, Cl, etc.; R4 = H, Me, Et, cyclopropyl, etc.; n = 1 or 2) were synthesized and tested for antidepressant activity in mice. The most active I contained

a 5-membered ring (n = 1), had trans stereochem., contained an ethyl- or cyclopropylamide moiety, and had m-halo or trifluoromethyl aromatic substitution. A variety of amine substituents were effective.

IT 78866-59-8P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation and antidepressant activity of, structure in relation to)
RN 78866-59-8 CAPLUS
CN Propanamide, N-[(3,4-dimethoxyphenyl)-N-[2-(dimethylamino)cyclopentyl]-, (2Z)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CH 1

CRN 78866-59-7
CHF C18 H28 N2 O3

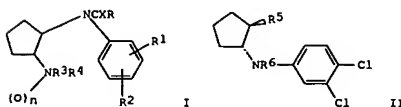


L16 ANSWER 20 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1980:532266 CAPLUS
DOCUMENT NUMBER: 93:132266
TITLE: N-(2-Aminocyclopentyl)-N-alkanoylanilides as CNS anti-depressants
INVENTOR(S): Szmuszkowicz, Jacob
PATENT ASSIGNEE(S): Upjohn Co., USA
SOURCE: U.S., 26 pp. Cont.-in-part of U.S. Ser. No. 777,599, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 8
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4204003	A	19800520	US 1978-876349	19780209
NL 7803442	A	19790813	NL 1978-3442	19780331
DE 2817112	A1	19790816	DE 1978-2817112	19780419
DE 2817112	C2	19880107		
JP 54106451	A2	19790821	JP 1978-53631	19780504
US 4159340	A	19790626	US 1978-906429	19780515
BE 867554	A4	19781127	BE 1978-188099	19780526
FR 2416882	A2	19790907	FR 1978-15867	19780526
FR 2416882	B2	19801107		
GB 1581914	A	19801231	GB 1978-23590	19780526
CH 636342	A	19830531	CH 1978-5851	19780529
PRIORITY APPLN. INFO.:			US 1976-756191	A2 19761130
			US 1977-777599	A2 19770315
			US 1976-746191	A2 19761130
			US 1978-876349	A 19780209

GI



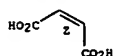
AB N-Cyclopentyl-N-alkanoylanilides I (R = alkyl; R1, R2 = H, halogen, F3C, alkyl, alkoxy; R3, R4 = H, alkyl; X = O, S; n = 0, 1) were prepared
Thus, refluxing 3,4-Cl2C6H3NH2 with cyclopentene oxide for 7 days and treating the resulting II (R5 = OH, R6 = H) with ClSO3H gave II (R5 = OSO3H) which reacted with MeNH2 to give II (R5 = NHMe) (IIII). Treating III with Cl3CCO2CCl gave II (R5 = NHMeCO2CCl3) (IV). Heating IV with (EtCO)2O gave II (R6 = COEt) (V). V had an ED50 < 1 mg/kg, i.p. in the standard yohimbine toxicity potentiation and oxotremorine hypothermia antagonism tests.

IT 67450-49-1P
RL: SPN (Synthetic preparation); PREP (Preparation)

L16 ANSWER 19 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

CH 2
CRN 110-16-7
CHF C4 H4 O4

Double bond geometry as shown.



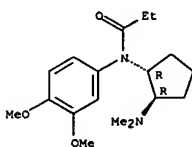
L16 ANSWER 20 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

(prepn. of)
RN 67450-49-1 CAPLUS
CN Propanamide, N-[(3,4-dimethoxyphenyl)-N-[(1R,2R)-2-(dimethylamino)cyclopentyl]-, rel-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CH 1

CRN 67450-48-0
CHF C18 H28 N2 O3

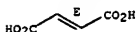
Relative stereochemistry.



CH 2

CRN 110-17-8
CHF C4 H4 O4

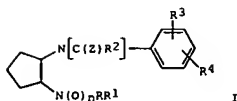
Double bond geometry as shown.



L16 ANSWER 21 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1979:557342 CAPLUS
 DOCUMENT NUMBER: 91:157342
 TITLE: N-Acyl-N-phenyl-1,2-cyclopentanedi-
 amines as CNS anti-depressants
 INVENTOR(S): Szmurzkowicz, Jacob
 PATENT ASSIGNEE(S): Upjohn Co., USA
 SOURCE: U.S., 23 pp.
 CODEN: USXOAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 8
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4159340	A	19790626	US 1978-906429	19780515
BE 861351	A1	19780530	BE 1977-183052	19771130
BE 861355	A1	19780530	BE 1977-183056	19771130
US 4204003	A	19800520	US 1978-876349	19780209
AU 517939	B2	19810903	AU 1978-36081	19780512
AU 7836081	A1	19791115		
NL 7902683	A	19791012	NL 1979-2683	19790405
CH 652595	A	19851129	CH 1979-3241	19790406
FR 2422401	A2	19791109	FR 1979-8931	19790409
FR 2422401	B2	19830401		
BE 875461	A4	19791010	BE 1979-194510	19790410
JP 54151949	A2	19791129	JP 1979-43403	19790410
PRIORITY APPLN. INFO.:			US 1976-746191	A2 19761130
			US 1977-777599	A2 19770315
			US 1978-876349	A2 19780209
			US 1976-756191	A2 19761130
			BE 1977-861351	A 19771130
			US 1978-895209	A 19780410
			US 1978-895210	A 19780410
			US 1978-906429	A 19780515

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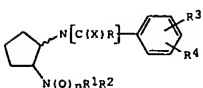


AB Title compds. I (n = 0, 1; R = H, alkyl; R1 = PhCH2, PhCH2CH2, alkenyl; Z = O, S; R2 = alkyl, vinyl, cycloalkyl, OEt, CH2OMe; each of R3 and R4 is selected from H, halogen (atomic number 9-35), CF3, alkyl, alkoxy) are useful as

L16 ANSWER 22 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1979:439158 CAPLUS
 DOCUMENT NUMBER: 91:39158
 TITLE: N-(2-Aminocyclopentyl)-N-alkanoylanilides or their 2-N-oxides useful in the treatment of depressive states
 INVENTOR(S): Szmurzkowicz, Jacob
 PATENT ASSIGNEE(S): Upjohn Co., USA
 SOURCE: Ger. Offen., 92 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 8
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2749214	A1	19780601	DE 1977-2749214	19771103
DE 2749214	C2	19871105		
AU 7730489	A1	19790517	AU 1977-30489	19771109
AU 511200	B2	19800731		
GB 1560218	A	19791219	GB 1977-46750	19771110
GB 1560219	A	19791219	GB 1978-46747	19771110
NL 7712899	A	19780601	NL 1977-12899	19771123
SE 7713439	A	19780531	SE 1977-13439	19771128
SE 441444	B	19851007		
SE 441444	C	19860123		
JP 53068748	A2	19780619	JP 1977-142580	19771128
FR 2384495	A1	19781020	FR 1977-35909	19771129
FR 2384495	B1	19800725		
CH 636340	A	19830531	CH 1977-14612	19771129
BE 861351	A1	19780530	BE 1977-183052	19771130
BE 861355	A1	19780530	BE 1977-183056	19771130
US 4156733	A	19790529	US 1978-879378	19780221
US 4157398	A	19790605	US 1978-879379	19780221
AU 517939	B2	19810903	AU 1978-36081	19780512
AU 7836081	A1	19791115		
PRIORITY APPLN. INFO.:			US 1976-746191	A 19761130
			US 1977-777599	A 19770315

GI



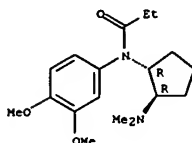
AB Forty-seven title anilides I [R = alkyl, vinyl, cycloalkyl, CO2Et, CH2OMe; R1 = alkyl, R2 = alkyl, Me2NCH2CH2, Me2N(CH2)3, benzyl, phenethyl, alkenyl, or R1R2 = (CH2)4, (CH2)5; R3, R4 = H, halo, CF3, alkyl, etc.; X = O or S; n = 0 or 1], useful as antidepressants (no data), were prepared. Thus, cyclopentene oxide added to secondary amines to give 2-aminocyclopentanols, which were treated with NaH, MeSO2Cl and anilines

L16 ANSWER 21 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 antidepressants (no data) and were prepd. by N-acylation.
 N,N-Dimethyl-N'-(3,4-dichlorophenyl)-1,2-cyclopentanedi-
 amines with (EtCO)2O, water added, and the mixt. heated and worked up to yield I
 (n = O, R = R1 = Me, Z = O, R2 = Et, R3 = 3-Cl, R4 = 4-Cl).
 IT 67450-49-1P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 67450-49-1 CAPLUS
 CN Propanamide, N-(3,4-dimethoxyphenyl)-N-[(1R,2R)-2-(dimethylamino)cyclopentyl]-, rel-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CH 1

CRN 67450-48-0
 CHF C18 H28 N2 O3

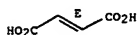
Relative stereochemistry.



CH 2

CRN 110-17-8
 CHF C4 H4 O4

Double bond geometry as shown.

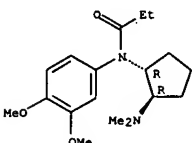


L16 ANSWER 22 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 to give N-(2-aminocyclopentyl)anilines, and these were acylated with
 (RCO)2O or RCOCl to give I.
 IT 67450-49-1P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of antidepressant)
 RN 67450-49-1 CAPLUS
 CN Propanamide, N-(3,4-dimethoxyphenyl)-N-[(1R,2R)-2-(dimethylamino)cyclopentyl]-, rel-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CH 1

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 CHF C18 H28 N2 O3

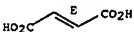
Relative stereochemistry.



CH 2

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 CHF C4 H4 O4

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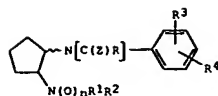


L16 ANSWER 23 OF 24 CAPLUS COPYRIGHT 2005 ACS ON STN
 ACCESSION NUMBER: 1979:438946 CAPLUS
 DOCUMENT NUMBER: 91:38946
 TITLE: N-(2-Aminocyclopentyl)alkanoylanilides
 INVENTOR(S): Szmuskowicz, Jacob
 PATENT ASSIGNEE(S): Upjohn Co., USA
 SOURCE: U.S., 25 pp.
 CODEN: USXKAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 8
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4148913	A	19790410	US 1978-895210	19780410
AU 7730489	A1	19790517	AU 1977-30489	19771109
AU 511200	B2	19800731		
GB 1560218	A	19791219	GB 1977-46750	19771110
GB 1560219	A	19791219	GB 1978-46747	19771110
NL 7712899	A	19780601	NL 1977-12899	19771123
SE 7713439	A	19780531	SE 1977-13439	19771128
SE 441444	B	19851007		
SE 441444	C	19860123		
JP 53068748	A2	19780619	JP 1977-142580	19771128
FR 2384495	A1	19781020	FR 1977-35909	19771129
FR 2384495	B1	19800725		
CH 636340	A	19830531	CH 1977-14612	19771129
BE 861351	A1	19780530	BE 1977-183052	19771130
BE 861355	A1	19780530	BE 1977-183056	19771130
US 4156733	A	19790529	US 1978-879378	19780221
US 4157398	A	19790605	US 1978-879379	19780221
AU 517939	B2	19810903	AU 1978-36081	19780512
AU 7836081	A1	19791115		
NL 7902683	A	19791012	NL 1979-2683	19790405
CH 652595	A	19851129	CH 1979-3241	19790406
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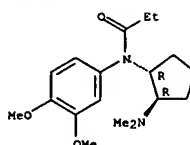
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L16 ANSWER 23 OF 24 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



AB Alkanoyl anhydrides and alkanoyl chlorides were amidated by N-phenyl-1,2-cyclopentanedi-2-amine to give amides I [Z = O, S; n = 0, 1; R = C1-3 alkyl, CH2=CH, C3-6 cycloalkyl, OEt, CH2OMe; R1 = H, C1-3 alkyl; R2 = CH2CH2NMe2, (CH2)3NMe2; each of R3 and R4 is selected from H, halo (atomic number 9-35), CF3, C1-2 alkyl, C1-2 alkoxy], useful as antidepressants (no data). A solution of trans-1-(dimethylamino)-2-(3,4-dichloroanilino)cyclopentane in (EtO)2CO was heated overnight on a steam bath and worked up to yield trans-I (n = 0, Z = O, R = Et, R1 = R2 = Me, R3 = 3-Cl, R4 = 4-Cl).
 IT 67450-49-1P
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)
 RN 67450-49-1 CAPLUS
 CN Propanamide, N-(3,4-dimethoxyphenyl)-N-[(1R,2R)-2-(dimethylamino)cyclopentyl]-, rel-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)
 CH 1
 CRN 67450-48-0
 CHF C18 H28 N2 O3

Relative stereochemistry.

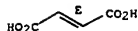


CH 2

CRN 110-17-8
 CHF C4 H4 O4

Double bond geometry as shown.

L16 ANSWER 23 OF 24 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



L16 ANSWER 24 OF 24 CAPLUS COPYRIGHT 2005 ACS ON STN

ACCESSION NUMBER: 1939:29876 CAPLUS
 DOCUMENT NUMBER: 33:29876
 ORIGINAL REFERENCE NO.: 33:4252d-1, 4253a-1, 4254a-b
 TITLE: Quinazolines. XLIV. The synthesis of some new quinazoline derivatives of veratrole akin to

alkaloids
 AUTHOR(S): Fetscher, Charles A.; Bogert, M. T.
 SOURCE: Journal of Organic Chemistry (1939), 4, 71-87
 CODEN: JOCEAH; ISSN: 0022-3263

DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 OTHER SOURCE(S): CASREACT 33:29876

AB cf. C. A. 30, 7577.7. An attempt has been made to synthesize true papaverine analogs of the quinazoline series, but so far without success. The expts. have, however, led to interesting products which are reported. The application of the Pictet papaverine synthesis in the quinazoline series has failed. Since veratrole derivs. react quite differently from unmethoxylated benzene, Ac, phenylacetyl and bromoveratroyl derivs. of 3,4-dimethoxyphenylurea were prepared but they cannot be condensed to quinazolones. The Riedel quinazoline synthesis (Ger. pat. 174,941 (1905))

gives 6,7-dimethoxyquinazoline in good yield with 6-nitroveratraldehyde but does not work with ketones under the conditions used. o-Aminodesoxyveratroin (I) could not be prepared by direct nitration of deoxyveratroin and reduction, for the NO2 enters in the o-position to the CH2

group and not to the CO group. Also the attempt to prepare I from 6-nitroveratronic acid and veratryl-MgCl (cf. Pschorr and Decker, Ber. 37, 3404 (1904)) failed. The preparation of veratryl chloride by the Blanc process

gives tetramethoxydihydroanthracene. The possibility of preparing I from the

Na compound of 6-nitroveratroylacetic ester and a 4-haloveratrole is hindered by the unreactivity of these halogen compds. Formylation of 4-aminoveratrole (II) and of Et 6-aminoveratrate (III) is unsuccessful. When III is heated with HCO2Et in a sealed tube it gives Et 6-aminoveratroylformate (IV) as shown by hydrolysis to 6-aminoveratric acid and 6-aminoveratraldehyde and its conversion into the corresponding dimethoxyveratrin. With AcOEt III gives Et acetaminoveratrate. The latter is converted into the corresponding dimethoxyacetanthranil and 2-methyl-6,7-dimethoxy-4-quinazoline. In a similar way, anthranil and quinazolones are prepared from the analogous 6-phenylacetamino- and 6-bromoveratroylaminoveratric acids. Condensation of 6-nitroveratraldehyde with bromoveratric acid gives α-(3',4'-dimethoxyphenyl)-3,4-dimethoxy-6-nitrocinnamic acid (V). Addition of

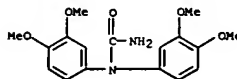
HBr to V gives only gums. Benzoyleneurea cannot be reduced by any means and the reduction of 2,4-dichloroquinazoline by red P and HI gives only minute yields

of dihydroquinazoline. Quinazoline is reduced by 4% NaHg to 1,2,3,4-tetrahydroquinazoline, m. 191-2°, in 80% yield. Nitration of 4-chloroveratrole with concentrated HNO3 at room temperature yields 4-chloro-5-nitroveratrole (VI), m. 118°. Heating VI with a saturated solution of NH3 in absolute EtOH for 10 h. at 130° gives 4-amino-5-nitroveratrole, m. 171°. When 4-nitroveratrole is refluxed with 5 cc. SOCl2 for 30 min. and the mixture is decomposed with

50% EtOH, 4-nitro-6-chloroveratrole (VII), m. 95°, is obtained. When VII is reduced with Sn and HCl, 4-amino-6-chloroveratrole, m. 89°, is formed. By catalytic reduction of 4-nitroveratrole, II, m. 86°, is

L16 ANSWER 24 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 obtained in 92% yield. Its HCl salt, m. 240°; Ac deriv., m. 133°; Bz deriv., m. 178°. When it is heated with CO₂KCO₂H for 1 h. at 120°, the acid oxalyl deriv., m. 168°, is obtained. When 2 g. 11. HCl, 2 g. urea and 20 cc. H₂O are refluxed for 30 min. and the hot soln. is filtered after 45 min., 3,4-dimethoxyphenylurea (VIII), m. 210°, crystallizes. The residue of the hot filtrate is extd. with EtOH and the insol. portion, after recrystn. from PhMe, m. 313° and is sym-di-(3,4-dimethoxyphenyl)urea. From the alc. ext. the asym. compd., m. 210°, is obtained. Acetylation of VIII with Ac₂O and pyridine yields sym-acetal-3,4-dimethoxyphenylurea, m. 227°. Acylation of VIII with PhCH₂COCl and pyridine gives sym-phenylacetyl-3,4-dimethoxyphenylurea, m. 240°. With homoveratroyl chloride and pyridine, VIII gives sym-homoveratroyl-3,4-dimethoxyphenylurea, m. 256°. When dry HCl is bubbled into a mixt. of 20 g. veratrole, 5 g. paraformaldehyde and 10 g. ZnCl₂, there seps. a white product, m. 235°, which is believed to be 2,3,6,7-tetramethoxy-9,10-dihydroanthracene. 6-Nitroveratraldehyde (IX), m. 133°, is best prepd. by slowly adding 15 g. veratraldehyde to 100 cc. concd. HNO₃ at 15-20° in the course of 30 min. with exclusion of light. On bubbling dry HCl into a mixt. of IX and formamide at 45-50°, it becomes solid. After washing it with EtOH and crystg. from H₂O, 6-nitroveratrylidenediformamide (X), m. 195.5°, is isolated. Redn. of X with Zn dust and AcOH gives 6,7-dimethoxyquinazoline, m. 143°; HCl salt, m. 227°. Oxidn. of IX according to Pachorr and Sumuleanu, (Ber. 32, 3412(1899)) gives 6-nitroveratric acid (XI), m. 189-90°; Et ester (XII), m. 99.5°; chloride, prepd. with SOCl₂, m. 88-9°; amide, m. 193°. The latter, when treated with P₂O₅, gives the nitrile, m. 168°, which could not be made to react with BuMgBr or PhMgBr. When the oxidn. of IX is carried out with an insufficient amt. of KMnO₄, a mixt. of XI with 6-nitrosoveratric acid (XIII), m. 189-90°, is obtained which is sepd. by fractional crystn. from H₂O. A product, the anal. of which agrees with that of the Et ester of XII, is obtained on catalytic redn. of XIII with Pd and m. 70°. When 5 g. XII in 10 cc. AcOEt is treated with 0.7 g. Na, Et 6-nitroveratroylacetate, m. 73°, is obtained. On mild hydrolysis, 6-nitroveratroylacetic acid (XIV), m. 219°, is obtained. When XIV is refluxed for 30 h. with a satd. soln. of Ba(OH)₂, the soln. then acidified and steam distd., no volatile substance is obtained, but a compd. m. 165°, is isolated, the anal. and chem. properties of which agree with those of chloronitroacetovanillone or -isovanillone. Redn. of XI with (NH₄)₂SO₄.FeSO₄ gives 30% 6-aminoveratric acid (XV), m. 186°. Redn. of XI with the Adams Pt catalyst gives better yields of XV. Its Et ester (III), m. 88°, is best prepd. by catalytic redn. of XII. Formylation of XV with HCO₂Et at 130° for 4 h. yields Et 6-aminoveratroylformate (IV), m. 70°. When IV is kept at 40° for 3 h. in 10% KOH soln., filtered, neutralized with HCl and then extd. with Et₂O, 5,6-dimethoxyisatin, m. around 180-95°, is formed. When III is treated with AcOEt to effect a Claisen condensation there is obtained 70% Et 6-aminoveratroylacetate, m. 130°, which on careful sapon. gives 6-acetaminoveratric acid (XVI), m. 233°. When a soln. of XVI in Ac₂O is concd., 6,7-dimethoxyacetanthranil seps. as fine needles which, when boiled for 20 min. with 10 N NH₄OH contg. 1 drop KOH, yield 2-methyl-6,7-dimethoxy-4-quinazalone, m. 312°. 6-Phenylacetaminoveratric acid (XVII), m. 226°, is prepd. by gradually adding 1.5 g. PhCH₂COCl to 1.4 g. XV in 6.5 cc. satd. AcONa soln. at 0°. With Ac₂O, XVII gives benzyldimethoxyanthranil which, on treatment with NH₄OH, is converted into 2-benzyl-6,7-dimethoxy-4-quinazalone, m. 253°. XV and bromoveratroyl chloride give

L16 ANSWER 24 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 6-homoveratroylaminoveratric acid, m. 241°, which gives with Ac₂O veratryldimethoxyanthranil. The latter is converted with NH₄OH into 2-veratryl-6,7-dimethoxy-4-quinazalone, m. 265°. α-(3',4'-Dimethoxyphenyl) - 3,4 - dimethoxy - 6 - nitrocinnamic acid (XVIII) is obtained when 1 g. Na homoveratrate, 0.75 g. IX and 10 cc. Ac₂O are heated for 2.5 h. at 105°. The excess of Ac₂O is destroyed by addn. of a few cc. hot H₂O and the mixt. poured into 200 cc. 2 N HCl. The ppt. is filtered and the product purified. The yield is 60%. XVIII m. 187°. IT 854643-66-6, Urea, 1,1-bis(3,4-dimethoxyphenyl)- (preparation of) RN 854643-66-6 CAPLUS CN Urea, 1,1-bis(3,4-dimethoxyphenyl)- (4CI) (CA INDEX NAME)



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SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

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627.89

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SESSION

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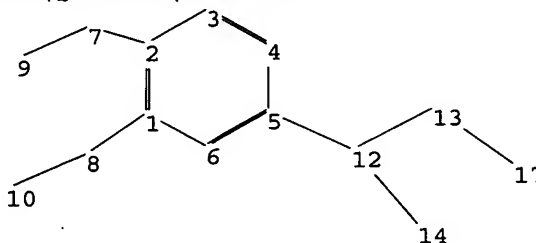
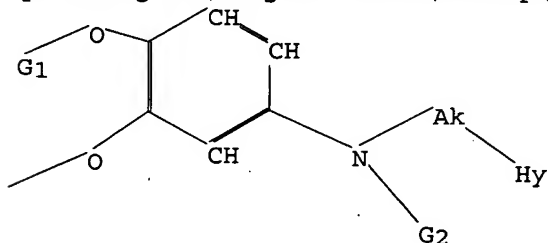
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ring nodes :
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ring/chain nodes :
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chain bonds :
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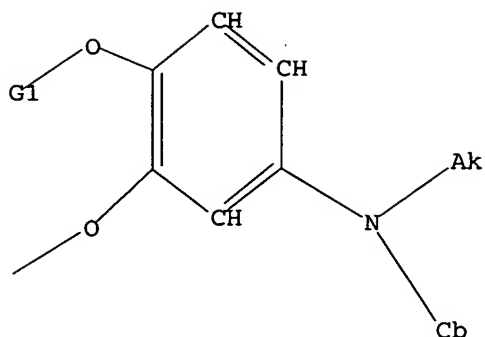
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L17 STR



G1 C,H

Structure attributes must be viewed using STN Express query preparation.

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L8 3588 S L5 AND CAPLUS/LC

L9 1564 S L7 AND CAPLUS/LC

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L10 1666 S L8

L11 490 S L9

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L14 116 S L13 AND CAPLUS/LC

L15 2 S L13 NOT L14

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L19 326 L18 NOT L13

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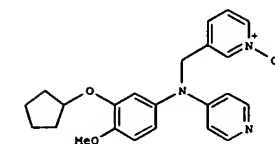
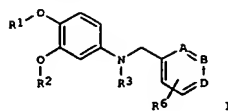
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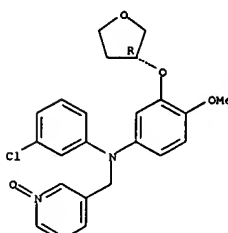
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 INVENTOR(S): Schumacher, Richard A.; Graham, Elizabeth Doorly; Hopper, Allen T.; Tehim, Ashok
 PATENT ASSIGNEE(S): Memory Pharmaceuticals Corporation, USA
 SOURCE: PCT Int. Appl., 93 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004/046113	A2	2004/06/03	WO 2003-US36986	2003/11/19
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EP 1569908	A2	2005/09/07	EP 2003-786857	2003/11/19
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OTHER SOURCE(S): MARPAT 141:23427				
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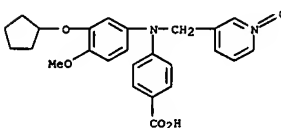
pyridyl)methyl]-4'-[(2H-tetrazol-5-yl)diphenylamine 699004-32-5P, 3-Cyclopentyl-3'-[(ethanesulfonyl)amino]-4-methoxy-N-[(1-oxo-3-pyridyl)methyl]diphenylamine 699004-33-6P, 3-Cyclopentyl-4-methoxy-3'-[(propanesulfonyl)amino]-N-[(1-oxo-3-pyridyl)methyl]diphenylamine 699004-34-7P, 3-Cyclopentyl-4'-[(ethanesulfonyl)amino]-4-methoxy-N-[(1-oxo-3-pyridyl)methyl]diphenylamine 699004-35-8P, 3-Cyclopentyl-4-methoxy-4'-[(propanesulfonyl)amino]-N-[(1-oxo-3-pyridyl)methyl]diphenylamine 699004-37-0P 699004-39-2P 699004-41-6P, 3-Cyclopentyl-4-methoxy-4'-[(5-oxopyrrolidinyl)methoxy]-N-[(1-oxo-3-pyridyl)methyl]diphenylamine 699004-42-7P, 3-Cyclopentyl-4-methoxy-N-[3-(aminocarbonyl)phenyl]-N-[(1-oxo-3-pyridyl)methyl]aniline 699004-45-0P 699004-46-1P 699004-48-3P, 3-Cyclopentyl-4-methoxy-N-(4-carboxy-3-chlorophenyl)-N-[(1-oxo-3-pyridyl)methyl]aniline 699004-54-1P 699004-55-2P 699004-56-3P 699004-57-4P, 3-[N-(3-Cyclopentyl-4-methoxyphenyl)-N-[(1-oxo-2-pyridyl)methyl]amino]benzoic acid 699004-58-5P 699004-59-6P 699004-60-9P 699004-61-0P 699004-62-1P 699004-63-2P 699004-64-3P 699004-65-4P 699004-66-5P, 3-[N-(3-Cyclopentyl-4-methoxyphenyl)-N-[(5-fluoro-1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-67-6P, 4-[N-(3-Cyclopentyl-4-methoxyphenyl)-N-[(5-fluoro-1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-68-7P 699004-69-8P, 3-[N-(3-Cyclobutyl-4-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-70-1P, 3-[N-(3-Cyclopentyl-4-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]-5-fluorobenzoic acid 699004-72-3P, 4-[N-(3-Cyclopentyl-4-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-85-8P 699004-91-6P 699004-93-8P 699004-94-9P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of N-oxides of heteroarylmethyl Ph amines as phosphodiesterase 4 inhibitors)
 RN 699003-94-6 CAPLUS
 CN 3-Pyridinemethanamine, N-(3-chlorophenyl)-N-[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl]-, 1-oxide (9CI) (CA INDEX NAME)
 Absolute stereochemistry.



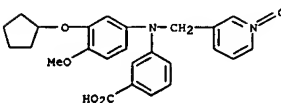
AB Nitrogen oxides of I [one of A, B, D = NO and the others are CR6; R1-2 = alkyl; R3 = H, cycloalkyl, etc.; R6 = H, halo, alkyl, alkoxy, CN, OH] and related derivs. are prepared. For instance, 4-[(3-cyclopentyl-4-methoxyphenyl)amino]pyridine is alkylated with 3-chloromethylpyridine N-oxide (preparation given) (DMF, NaH) to give II. I are inhibitors of PDE4
 and useful for the treatment of depression, Alzheimer's disease, etc.
 IT 699003-94-6P 699003-95-7P, 4-[N-(3-Cyclopentyl-4-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699003-97-9P, 3-[N-(3-Cyclopentyl-4-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-01-8P, 3'-Chloro-3-cyclopentyl-4-methoxy-N-[(1-oxo-3-pyridyl)methyl]diphenylamine 699004-02-9P, 3'-Chloro-4-methoxy-N-[(1-oxo-3-pyridyl)methyl]-3-[(tetrahydrofuran-3-yl)oxy]diphenylamine 699004-03-0P 699004-04-1P, 4-Difluoromethoxy-N-[(1-oxo-3-pyridyl)methyl]-3-[(tetrahydrofuran-3-yl)oxy]diphenylamine 699004-06-3P 699004-07-4P 699004-08-5P 699004-09-6P, 4'-tert-Butyldimethylsilyloxy-3-cyclopentyl-4-methoxy-N-[(1-oxo-3-pyridyl)methyl]diphenylamine 699004-10-9P, 3-[N-(3-Cyclopentyl-4-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-11-0P, 3-[N-(4-Methoxy-3-[(tetrahydrofuran-3-yl)oxy]phenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-12-1P 699004-17-6P, 3-[N-(3-(2-Indanyloxy)-4-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoic acid 699004-20-1P, 3-Cyclopentyl-4-methoxy-N-[(1-oxo-3-pyridyl)methyl]-4'-(2H-tetrazol-5-yl)diphenylamine 699004-21-2P, 3-Cyclopentyl-4-methoxy-N-[(1-oxo-3-pyridyl)methyl]-3'-(2H-tetrazol-5-yl)diphenylamine 699004-22-3P, (R)-4-Methoxy-N-[(1-oxo-3-pyridyl)methyl]-3-[(tetrahydrofuran-3-yl)oxy]-4'-(2H-tetrazol-5-yl)diphenylamine 699004-24-5P, (R)-4-Difluoromethoxy-N-[(1-oxo-3-pyridyl)methyl]-3-[(tetrahydrofuran-3-yl)oxy]-4'-(2H-tetrazol-5-yl)diphenylamine 699004-25-6P, 3-Cyclopentyl-4-difluoromethoxy-N-[(1-oxo-3-



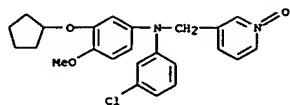
RN 699003-95-7 CAPLUS
 CN Benzoic acid, 4-[(3-(cyclopentyl-4-methoxyphenyl))[(1-oxido-3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)



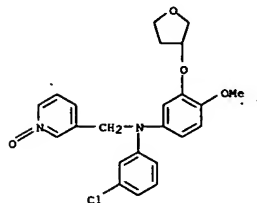
RN 699003-97-9 CAPLUS
 CN Benzoic acid, 3-[(3-(cyclopentyl-4-methoxyphenyl))[(1-oxido-3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)



RN 699004-01-8 CAPLUS
 CN 3-Pyridinemethanamine, N-(3-chlorophenyl)-N-[3-(cyclopentyl-4-methoxyphenyl)-, 1-oxide (9CI) (CA INDEX NAME)

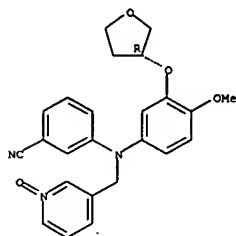


RN 699004-02-9 CAPLUS
CN 3-Pyridinemethanamine, N-(3-chlorophenyl)-N-[4-methoxy-3-((tetrahydro-3-furanyl)oxy)phenyl]-, 1-oxide (9CI) (CA INDEX NAME)



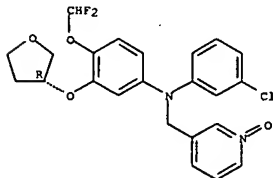
RN 699004-03-0 CAPLUS
CN Benzonitrile, 3-[[4-methoxy-3-((3R)-tetrahydro-3-furanyl)oxy]phenyl]-(1-oxido-3-pyridinyl)methylamino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

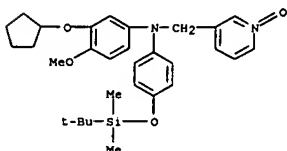


RN 699004-04-1 CAPLUS
CN 3-Pyridinemethanamine, N-[4-(difluoromethoxy)-3-((3R)-tetrahydro-3-furanyl)oxy]phenyl]-N-phenyl-, 1-oxide (9CI) (CA INDEX NAME)

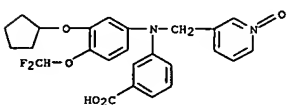
Absolute stereochemistry.



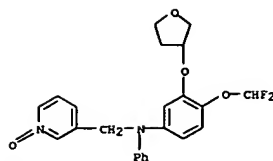
RN 699004-09-6 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopentyl)oxy]-4-methoxyphenyl]-N-[4-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]phenyl]-, 1-oxide (9CI) (CA INDEX NAME)



RN 699004-10-9 CAPLUS
CN Benzoic acid, 3-[[3-(cyclopentyl)oxy]-4-(difluoromethoxy)phenyl]-(1-oxido-3-pyridinyl)methylamino]- (9CI) (CA INDEX NAME)

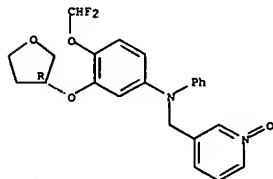


RN 699004-11-0 CAPLUS
CN Benzoic acid, 3-[[4-methoxy-3-((tetrahydro-3-furanyl)oxy)phenyl]-(1-oxido-3-pyridinyl)methylamino]- (9CI) (CA INDEX NAME)



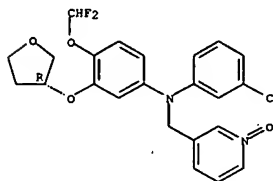
RN 699004-06-3 CAPLUS
CN 3-Pyridinemethanamine, N-[4-(difluoromethoxy)-3-((3R)-tetrahydro-3-furanyl)oxy]phenyl]-N-phenyl-, 1-oxide (9CI) (CA INDEX NAME)

Absolute stereochemistry.

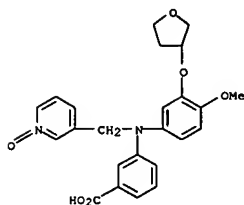


RN 699004-07-4 CAPLUS
CN Benzonitrile, 3-[[4-(difluoromethoxy)-3-((3R)-tetrahydro-3-furanyl)oxy]phenyl]-(1-oxido-3-pyridinyl)methylamino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

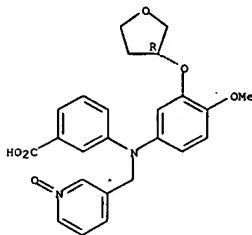


RN 699004-08-5 CAPLUS
CN 3-Pyridinemethanamine, N-(3-chlorophenyl)-N-[4-(difluoromethoxy)-3-((3R)-

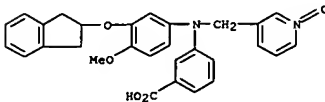


RN 699004-12-1 CAPLUS
CN Benzoic acid, 3-[[4-methoxy-3-((3R)-tetrahydro-3-furanyl)oxy]phenyl]-(1-oxido-3-pyridinyl)methylamino]- (9CI) (CA INDEX NAME)

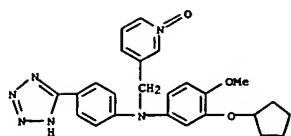
Absolute stereochemistry.



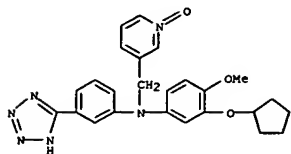
RN 699004-17-6 CAPLUS
CN Benzoic acid, 3-[[3-((2,3-dihydro-1H-inden-2-yl)oxy)-4-methoxyphenyl]-(1-oxido-3-pyridinyl)methylamino]- (9CI) (CA INDEX NAME)



RN 699004-20-1 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopentyl)oxy]-4-methoxyphenyl]-N-[4-(1H-tetrazol-5-yl)phenyl]-, 1-oxide (9CI) (CA INDEX NAME)

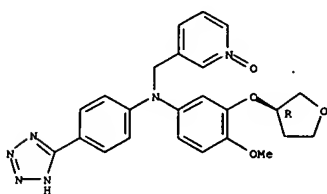


RN 699004-21-2 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-[3-(1H-tetrazol-5-yl)phenyl]-, 1-oxide (9CI) (CA INDEX NAME)



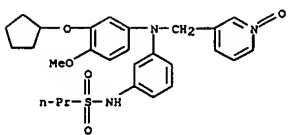
RN 699004-22-3 CAPLUS
CN 3-Pyridinemethanamine, N-[4-methoxy-3-[(3R)-tetrahydro-3-furanyloxy]phenyl]-N-[4-(1H-tetrazol-5-yl)phenyl]-, 1-oxide (9CI) (CA INDEX NAME)

Absolute stereochemistry.

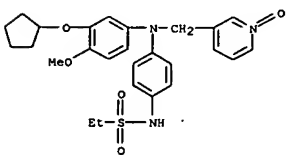


RN 699004-24-5 CAPLUS
CN 3-Pyridinemethanamine, N-[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyloxy]phenyl]-N-[4-(1H-tetrazol-5-yl)phenyl]-, 1-oxide (9CI) (CA INDEX NAME)

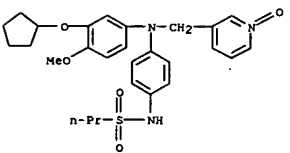
Absolute stereochemistry.



RN 699004-34-7 CAPLUS
CN Ethanesulfonamide, N-[4-[[3-(cyclopentyloxy)-4-methoxyphenyl]](1-oxido-3-pyridinyl)methyl]amino]phenyl]- (9CI) (CA INDEX NAME)

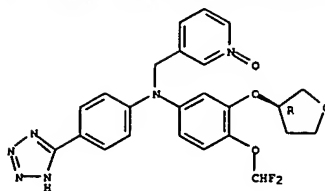


RN 699004-35-8 CAPLUS
CN 1-Propanesulfonamide, N-[4-[[3-(cyclopentyloxy)-4-methoxyphenyl]](1-oxido-3-pyridinyl)methyl]amino]phenyl]- (9CI) (CA INDEX NAME)

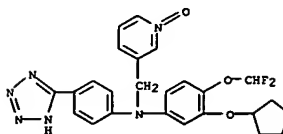


RN 699004-37-0 CAPLUS
CN Ethanesulfonamide, N-[3-[[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyloxy]phenyl]](1-oxido-3-pyridinyl)methyl]amino]phenyl]- (9CI) (CA INDEX NAME)

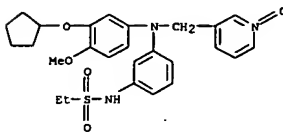
Absolute stereochemistry.



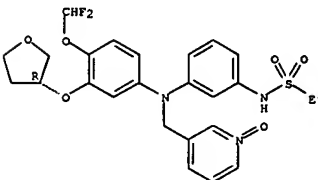
RN 699004-25-6 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopentyloxy)-4-(difluoromethoxy)phenyl]-N-[3-(1H-tetrazol-5-yl)phenyl]-, 1-oxide (9CI) (CA INDEX NAME)



RN 699004-32-5 CAPLUS
CN Ethanesulfonamide, N-[3-[[3-(cyclopentyloxy)-4-methoxyphenyl]](1-oxido-3-pyridinyl)methyl]amino]phenyl]- (9CI) (CA INDEX NAME)

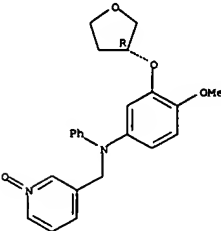


RN 699004-33-6 CAPLUS
CN 1-Propanesulfonamide, N-[3-[[3-(cyclopentyloxy)-4-methoxyphenyl]](1-oxido-3-pyridinyl)methyl]amino]phenyl]- (9CI) (CA INDEX NAME)

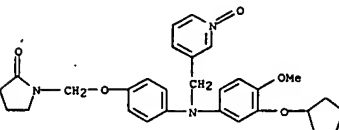


RN 699004-39-2 CAPLUS
CN 3-Pyridinemethanamine, N-[4-methoxy-3-[(3R)-tetrahydro-3-furanyloxy]phenyl]-N-phenyl-, 1-oxide (9CI) (CA INDEX NAME)

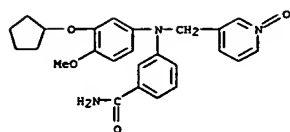
Absolute stereochemistry.



RN 699004-41-6 CAPLUS
CN 2-Pyrrolidinone, 1-[[4-[[3-(cyclopentyloxy)-4-methoxyphenyl]](1-oxido-3-pyridinyl)methyl]amino]phenoxy]methyl]- (9CI) (CA INDEX NAME)

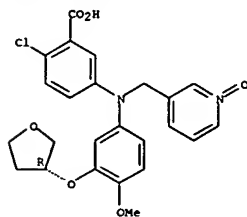


RN 699004-42-7 CAPLUS
CN Benzamide, 3-[[3-(cyclopentyloxy)-4-methoxyphenyl]](1-oxido-3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)



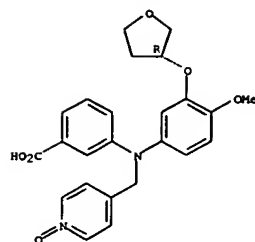
RN 699004-45-0 CAPLUS
CN Benzoic acid, 2-chloro-5-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyloxy]phenyl][(1-oxido-3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

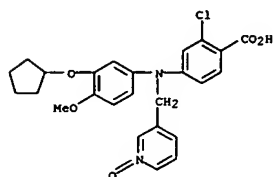


RN 699004-46-1 CAPLUS
CN Benzoic acid, 3-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyloxy]phenyl][(1-oxido-3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

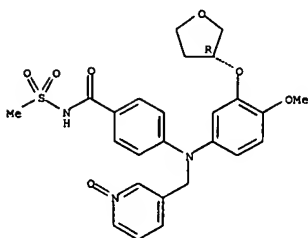


RN 699004-48-3 CAPLUS
CN Benzoic acid, 2-chloro-4-[[3-(cyclopentylloxy)-4-methoxyphenyl][(1-oxido-3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)



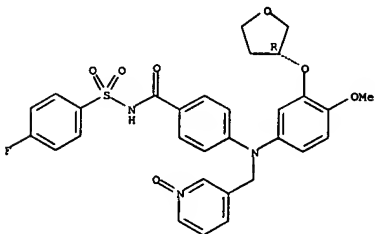
RN 699004-54-1 CAPLUS
CN Benzoic acid, 3-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyloxy]phenyl][(1-oxido-3-pyridinyl)methyl]amino]-N-(methylsulfonyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



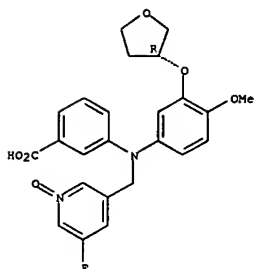
RN 699004-55-2 CAPLUS
CN Benzoic acid, 3-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyloxy]phenyl][(1-oxido-3-pyridinyl)methyl]amino]-N-(methylsulfonyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

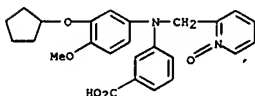


RN 699004-56-3 CAPLUS
CN Benzoic acid, 3-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyloxy]phenyl][(1-oxido-3-pyridinyl)methyl]amino]-N-(methylsulfonyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

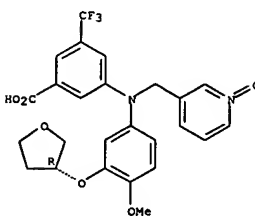


RN 699004-57-4 CAPLUS
CN Benzoic acid, 3-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyloxy]phenyl][(1-oxido-2-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)



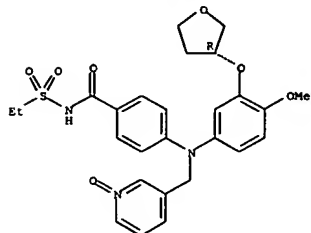
RN 699004-58-5 CAPLUS
CN Benzoic acid, 3-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyloxy]phenyl][(1-oxido-3-pyridinyl)methyl]amino]-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



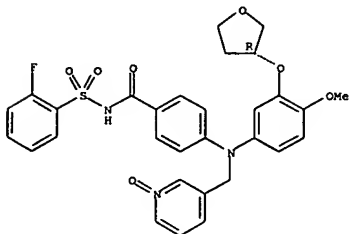
L21 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 RN 699004-59-6 CAPLUS
 CN Benzamide, N-(ethylsulfonyl)-4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl][(1-oxido-3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



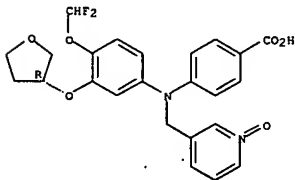
RN 699004-60-9 CAPLUS
 CN Benzamide, N-[(2-fluorophenyl)sulfonyl]-4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl][(1-oxido-3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



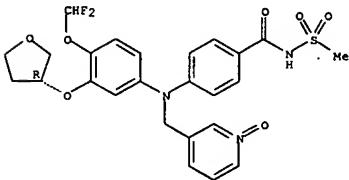
RN 699004-61-0 CAPLUS
 CN Benzamide, N-[(3-chlorophenyl)sulfonyl]-4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl][(1-oxido-3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)

L21 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 699004-64-3 CAPLUS
 CN Benzamide, 4-[[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl][(1-oxido-3-pyridinyl)methyl]amino]-N-(methylsulfonyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

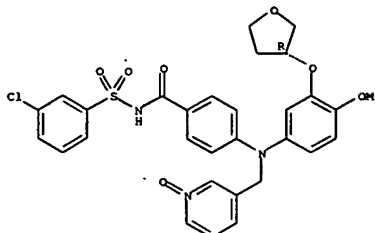


RN 699004-65-4 CAPLUS
 CN Benzamide, 4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl][(1-oxido-3-pyridinyl)methyl]amino]-N-(phenylsulfonyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

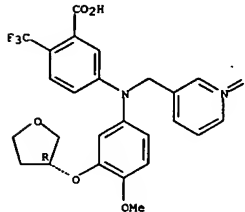
L21 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

Absolute stereochemistry.



RN 699004-62-1 CAPLUS
 CN Benzoic acid, 5-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl][(1-oxido-3-pyridinyl)methyl]amino]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

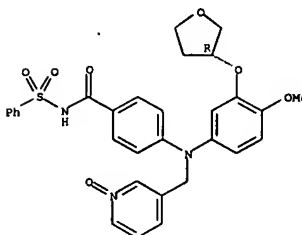
Absolute stereochemistry.



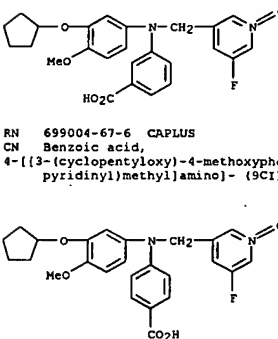
RN 699004-63-2 CAPLUS
 CN Benzoic acid, 4-[[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl][(1-oxido-3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L21 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



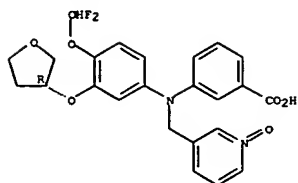
RN 699004-66-5 CAPLUS
 CN Benzoic acid, 3-[[3-(cyclopentyl)oxy]-4-methoxyphenyl][(5-fluoro-1-oxido-3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)



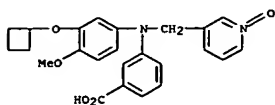
RN 699004-67-6 CAPLUS
 CN Benzoic acid, 4-[[3-(cyclopentyl)oxy]-4-methoxyphenyl][(5-fluoro-1-oxido-3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)

RN 699004-68-7 CAPLUS
 CN Benzoic acid, 3-[[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl][(1-oxido-3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)

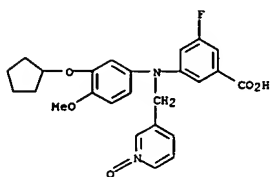
Absolute stereochemistry.



RN 699004-69-8 CAPLUS
CN Benzoic acid, 3-[[3-(cyclobutyloxy)-4-methoxyphenyl][(1-oxido-3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)



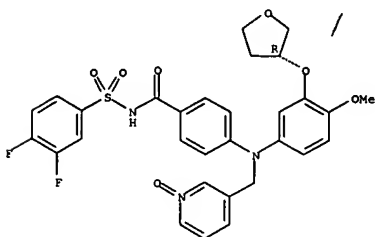
RN 699004-70-1 CAPLUS
CN Benzoic acid, 3-[[3-(cyclopentyloxy)-4-methoxyphenyl][(1-oxido-3-pyridinyl)methyl]amino]-5-fluoro- (9CI) (CA INDEX NAME)



RN 699004-72-3 CAPLUS
CN Benzoic acid, 4-[[3-(cyclobutyloxy)-4-methoxyphenyl][(1-oxido-3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)

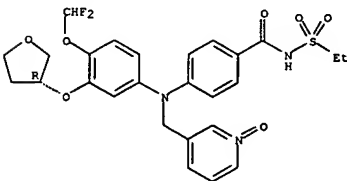
RN 699004-93-8 CAPLUS
CN Benzamide, N-[(3,4-difluorophenyl)sulfonyl]-4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl][(1-oxido-3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



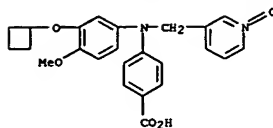
RN 699004-94-9 CAPLUS
CN Benzamide, 4-[[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl][(1-oxido-3-pyridinyl)methyl]amino]-N-(ethylsulfonyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



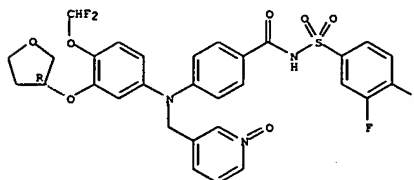
IT 699003-96-8, tert-Butyl 4-[N-(3-cyclopentyloxy-4-methoxyphenyl)-N-[(1-oxo-3-pyridyl)methyl]amino]benzoate
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of N-oxides of heteroaryl methyl Ph amines as phosphodiesterases 4 inhibitors)

RN 699003-96-8 CAPLUS
CN Benzoic acid, 4-[[3-(cyclopentyloxy)-4-methoxyphenyl][(1-oxido-3-pyridinyl)methyl]amino]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



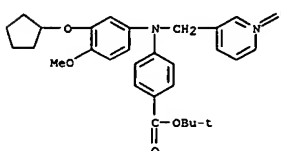
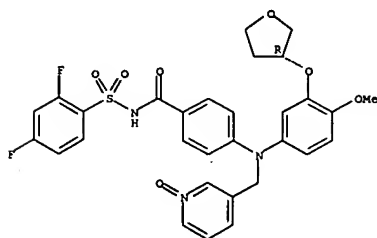
RN 699004-85-8 CAPLUS
CN Benzamide, 4-[[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl][(1-oxido-3-pyridinyl)methyl]amino]-N-[(3,4-difluorophenyl)sulfonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 699004-91-6 CAPLUS
CN Benzamide, N-[(2,4-difluorophenyl)sulfonyl]-4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl][(1-oxido-3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



1

OTHER SOURCE(S): MARPAT 140:128150
GI

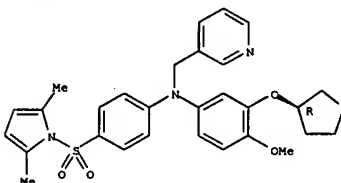
Absolute stereochemistry.

IT in the claims:
 460080-73-3P, 3-[[3-Cyclopentyloxy-4-methoxyphenyl][3-pyridyl)methyl]amino]benzoic acid 651022-27-4P,
 N-[4-Methoxy-3-((R)-tetrahydrofuran-3-yl)oxy]phenyl-N-[[3-pyridyl)methyl]-4-bromoaniline 651022-32-1P,
 N-[4-Methoxy-3-((R)-tetrahydrofuran-3-yl)oxy]phenyl-N-[[3-pyridyl)methyl]-4-methylthioaniline 651022-51-4P,
 N-[4-Methoxy-3-((R)-tetrahydrofuran-3-yl)oxy]phenyl-N-[[3-

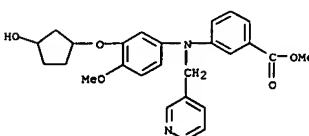
COC1=CC=C(OC2CCOC2)C(=C1)N(Cc3ccccc3)Cc4ccc(S)cc4

RN 651022-51-4 CAPLUS
CN 1H-Pyrrole,
1-[4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-
pyridinylmethyl)amino]phenylsulfonyl]-2,5-dimethyl- (9CI) (CA INDEX
NAME)

Absolute stereochemistry

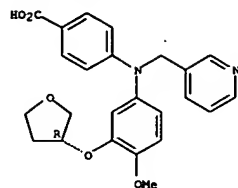


RN 651022-59-2 CAPLUS
CN Benzoic acid, 3-[[3-[(3-hydroxycyclopentyl)oxy]-4-methoxyphenyl] (3-pyridinylmethyl)amino]-, methyl ester (9CI) (CA INDEX NAME)

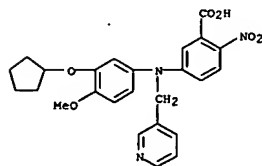


RN 651022-64-9 CAPLUS
CN Benzoic acid, 4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

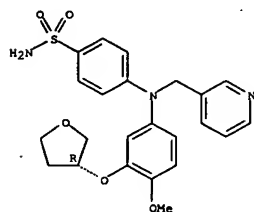


RN 651023-16-4 CAPLUS
CN Benzoic acid, 5-[(3-(cyclopentyloxy)-4-methoxyphenyl)(3-pyridinylmethyl)amino]-2-nitro- (9CI) (CA INDEX NAME)



RN 651023-96-0 CAPLUS
CN Benzenesulfonamide, 4-[[[4-methoxy-3-[[[3R)-tetrahydro-3-
(uranvlyoxy)phenyl](3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 460080-72-2P, 3-Cyclopentyloxy-4-methoxy-N-[(3-pyridyl)methyl]diphenylamine 460080-75-5P, 2-[(3-Cyclopentyloxy-

L21 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
 acid 651022-60-5P, 4-[[4-Methoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-(3-pyridyl)methyl]amino]-2-chlorobenzoic acid
 651022-63-8P, 3-[[[4-Methoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-(3-pyridyl)methyl]amino]-6-methylbenzoic acid
 651022-65-0P, 4-[[[4-Methoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]]-(5-fluoro-3-pyridyl)methyl]amino]benzoic acid
 651022-66-1P, 3-[[[4-Methoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]]-(3,4-dimethylpyrazol-5-yl)methyl]amino]benzoic acid
 651022-67-2P, 3-[[[4-Methoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]]-(3-pyridyl)methyl]amino]-5-trifluoromethylbenzoic acid
 651022-68-3P, 3-[[[4-Methoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]]-(3-pyridyl)methyl]amino]-6-trifluoromethylbenzoic acid
 651022-69-4P, 4-[[[4-Difluoromethoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]]-(3-pyridyl)methyl]amino]benzoic acid 651022-70-7P
 3-[(3-Cyclopentoxy-4-methoxyphenyl)]-(5-fluoro-3-pyridyl)methyl]amino]benzoic acid 651022-72-9P
 4-[(3-Cyclopentoxy-4-methoxyphenyl)]-(5-fluoro-3-pyridyl)methyl]amino]benzoic acid 651022-72-9P
 3-[[[4-Difluoromethoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]]-(3-pyridyl)methyl]amino]benzoic acid 651022-73-0P
 3-[(3-Cyclobutoxy-4-methoxyphenyl)]-(3-pyridyl)methyl]amino]benzoic acid
 651022-74-1P, 3-[(3-Cyclohexyloxy-4-methoxyphenyl)]-(3-pyridyl)methyl]amino]benzoic acid 651022-75-2P
 3-[(3-Cycloheptyloxy-4-methoxyphenyl)]-(3-pyridyl)methyl]amino]benzoic acid
 acid 651022-76-3P, 3-[[[4-Methoxy-3-[(tetrahydrofuran-4-yl]oxy]phenyl]]-(3-pyridyl)methyl]amino]benzoic acid 651022-77-4P
 3-[(3-[(Bicyclo[2.2.2]octanyl)oxy]-4-methoxyphenyl)]-(3-pyridyl)methyl]amino]benzoic acid 651022-78-5P
 651022-80-9P, 3-[(3-Cyclopentoxy-4-methoxyphenyl)]-(3-pyridyl)methyl]amino]-5-fluorobenzoic acid 651022-81-0P
 3-[(3-Cyclopentoxyloxy-4-difluoromethoxyphenyl)]-(3-pyridyl)methyl]amino]-5-fluorobenzoic acid 651022-82-6P
 3-[(3-Cyclopentoxyloxy-4-methoxyphenyl)]-(3-pyridyl)methyl]amino]benzoic acid 651022-84-3P
 4-[(3-Cyclohexyloxy-4-methoxyphenyl)]-(3-pyridyl)methyl]amino]benzoic acid
 651022-95-6P, 3-Cyclopentoxyloxy-4-methoxy-N-[(4-carboxyphenyl)]-N-[(4-chloropyridin-3-yl)methyl]aniline
 651022-97-8P, 3-Cyclopentoxyloxy-4-hydroxy-N-(3-carboxyphenyl)-N-[(3-pyridyl)methyl]aniline 651022-98-9P, 4-Methoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]-N-(3-carboxy-4-chlorophenyl)-N-[(3-pyridyl)methyl]aniline 651022-99-0P, 4-Methoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]-N-(3-carboxyphenyl)-N-[(3-pyridyl)methyl]aniline
 651023-00-6P, 4-Methoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]-N-(3-carboxyphenyl)-N-[(4-pyridyl)methyl]aniline 651023-01-7P, 3-Cyclopentoxyloxy-4-methoxy-N-(4-carboxyphenyl)-N-[(4-pyridyl)methyl]aniline 651023-02-8P, 3-Cyclopentoxyloxy-4-methoxy-N-(4-carboxy-3-chlorophenyl)-N-[(3-pyridyl)methyl]aniline
 651023-03-9P, 3-Cyclopentoxyloxy-4-methoxy-N-(4-carboxy-3-chlorophenyl)-N-[(3-pyridyl)methyl]aniline
 3-Cyclopentoxyloxy-4-methoxy-N-(4-carboxy-3-fluorophenyl)-N-[(3-pyridyl)methyl]aniline 651023-05-1P, 3-Cyclopentoxyloxy-4-methoxy-N-(3-carboxy-4-chlorophenyl)-N-[(3-pyridyl)methyl]aniline
 651023-06-2P, 3-Cyclopentoxyloxy-4-methoxy-N-(3-carboxy-4-fluorophenyl)-N-[(3-pyridyl)methyl]aniline 651023-07-3P, 3-Cyclopentoxyloxy-4-methoxy-N-(3-carboxyphenyl)-N-[(3,5-dichloropyridin-4-yl)methyl]aniline 651023-08-4P, 3-Cyclopentoxyloxy-4-methoxy-N-(4-chlorophenyl)-N-[(3,5-dichloropyridin-4-yl)methyl]aniline
 651023-09-5P, 3-Cyclopentoxyloxy-4-methoxy-N-(4-chlorophenyl)-N-[(3-chloropyridin-4-yl)methyl]aniline 651023-10-8P, 4-Methoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]-N-(4-carboxyphenyl)-N-[(3,5-

4-methoxyphenyl)-[(3-pyridyl)methyl]amino]benzoic acid 460080-81-3P
3-Cyclopropyloxy-4-methoxy-N-methyl diphenylamine 460080-85-7P
3-[(3-Cyclopropyloxy-4-methoxyphenyl)-[(3-pyridyl)methyl]amino]-N-(4-pyridyl)benzamide 460080-86-8P, 3-Cyclopropyloxy-4'-methanesulfonylamino-4-methoxy-N-[(3-pyridyl)methyl] diphenylamine 460080-88-0P, 3-Cyclopropyloxy-4-methoxy-3'-hydroxymethyl-N-[(3-pyridyl)methyl] diphenylamine 460080-89-1P, 3-Cyclopropyloxy-4-methoxy-N-1-(3-pyridyl)methyl)-4'-[(2H-tetrazol-5-yl) diphenylamine 460080-91-3P, 3-Cyclopropyloxy-4-methoxy-4'-[(4-methyl-1-piperazinyl)methyl]-N-[(3-pyridyl)methyl] diphenylamine 460080-93-7P, 3'-Aminomethyl-3-cyclopropyloxy-4-methoxy-N-[(3-pyridyl)methyl] diphenylamine 460080-96-0P, 3-Cyclopropyloxy-4-methoxy-3'-[2-(1-piperidinylethoxy)methyl]-N-[(3-pyridyl)methyl] diphenylamine 460080-98-2P, [2-Amino-3-cyclopropyloxy-4-methoxy-N-[(3-pyridyl)methyl] diphenylamine 651022-28-5P, N-[4-Methoxy-3-[(1R)-tetrahydrofuran-3-yl]oxyphenyl]-N-[(3-pyridyl)methyl]-4-[(1R)-piperidinyl] diphenylaniline 651022-29-6P, N-[4-Methoxy-3-[(1R)-tetrahydrofuran-3-yl]oxyphenyl]-N-[(3-pyridyl)methyl]-4-[(1R)-piperidinyl] diphenylaniline 651022-30-9P, N-[4-Methoxy-3-[(1R)-tetrahydrofuran-3-yl]oxyphenyl]-N-[(3-pyridyl)methyl]-4-[(1R)-piperidinyl] diphenylaniline 651022-31-0P, N-[4-Methoxy-3-[(1R)-

tetrahydrofuran-3-yl)oxy]phenyl]-N-[(3-pyridyl)methyl]-3-methylthioaniline
651022-34-3P, 3-Cyclopentylloxy-4-methoxy-N-3-[(1,1-
dimethylethoxy)carbonyl]phenyl]-N-[(3-pyridyl)methyl]aniline
651022-37-6P, 3-Cyclopentylloxy-4-methoxy-N-4-[[bis(2,4-
dimethoxybenzyl)amino]sulfonyl]phenyl]-N-[(3-pyridyl)methyl]aniline
651022-38-7P, N-[(3-Cyclopentylloxy-4-methoxyphenyl)-N-[(3-
pyridyl)methyl]-3-[(4-methylpiperazin-1-yl)sulfonyl]aniline
651022-39-8P, N-[(3-Cyclopentylloxy-4-methoxyphenyl)-N-[(3-
pyridyl)methyl]-3-[(4-morpholinyl)sulfonyl]aniline 651022-40-1P,
N-[(3-Cyclopentylloxy-4-methoxyphenyl)-N-[(3-pyridyl)methyl]-4-[(4-
methylpiperazin-1-yl)sulfonyl]aniline 651022-41-2P,
N-[(3-Cyclopentylloxy-4-methoxyphenyl)-N-[(3-pyridyl)methyl]-4-[(4-
morpholinyl)sulfonyl]aniline 651022-42-3P, N-[4-Methoxy-3-[(R)-
tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-3-[(4-
methylpiperazin-1-yl)sulfonyl]aniline 651022-43-4P,
N-[4-Methoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-
pyridyl)methyl]-4-[(4-methylpiperazin-1-yl)sulfonyl]aniline
651022-44-5P, N-[4-Methoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-
N-[(3-pyridyl)methyl]-4-[(4-morpholinyl)sulfonyl]aniline
651022-45-6P, N-[4-Methoxy-3-[(R)-tetrahydrofuran-3-
yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-3-[(4-morpholinyl)sulfonyl]aniline
651022-46-7P, N-[4-Methoxy-3-[(R)-tetrahydrofuran-3-
yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-4-[(4-methylpiperazin-1-
yl)sulfonyl]aniline 651022-47-8P, N-[4-Methoxy-3-[(R)-
tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-4-[(4-
cyclohexylpiperazin-1-yl)sulfonyl]aniline 651022-48-9P,
N-[4-Methoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-
pyridyl)methyl]-4-[(3,5-dimethylpiperazin-1-yl)sulfonyl]aniline
651022-49-0P, N-[4-Methoxy-3-[(R)-tetrahydrofuran-3-
yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-4-[(4-(2-pyridyl)piperazin-1-
yl)sulfonyl]aniline 651022-50-3P, N-[4-Methoxy-3-[(R)-
tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-4-[(4-(4-
fluorophenyl)piperazin-1-yl)sulfonyl]aniline 651022-52-5P,
3-[(3-(2-Hydroxycyclopentylloxy)-4-methoxyphenyl)](3-
pyridyl)methyl]anilinebenzoic acid 651022-50-6P, Methyl
3-[(3-(2-Hydroxycyclopentylloxy)-4-methoxyphenyl)](3-
pyridyl)methyl]anilinebenzoate 651022-58-1P, 3-[(3-(3-
Hydroxycyclopentylloxy)-4-methoxyphenyl)](3-pyridyl)methyl]anilinebenzoic

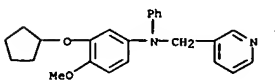
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dichloropyridin-4-yl)methyl]aniline 651023-12-0P,
4-Methoxy-3-[[[(R)-tetrahydrofuran-3-yl]oxy]-N-(3-carboxyphenyl)-N-[(3,5-dichloropyridin-4-yl)methyl]aniline 651023-14-2P,
3-Cyclopentyl-oxy-4-methoxy-N-(3-carboxy-4-methoxyphenyl)-N-[(3-pyridyl)methyl]aniline 651023-15-3P, 3-Cyclopentyl-oxy-4-methoxy-N-(3-carboxy-4-methylphenyl)-N-(3-(3-pyridyl)methyl)aniline 651023-17-3P, 3-[[4-Methoxy-3-[[[(R)-tetrahydrofuran-3-yl]oxy]phenyl]1-[5-chloro-3-pyridyl)methyl]aniline 651023-19-7P, 4-[[4-Methoxy-3-[[[(R)-tetrahydrofuran-3-yl]oxy]phenyl]3-(fluorobenzyl)amino]benzoic acid 651023-20-0P,
4-[(3-Cyclopentyl-oxy-4-di[fluoromethoxy]phenyl)1-(3-pyridyl)methyl]amino]benzoic acid 651023-31-3P, tert-Butyl N-(3-cyclopentyl-oxy-4-methoxyphenyl)-N-(2-(3-pyridyl)ethyl)-3-aminobenzoate 651023-33-5P, 3-[(3-Cyclopentyl-oxy-4-methoxyphenyl)2-(pyridin-3-yl)ethyl]amino]benzoic acid 651023-34-6P, N-(4-Methoxy-3-[[[(R)-tetrahydrofuran-3-yl]oxy]phenyl]N-(3-(3-pyridyl)methyl)-4-[[2H-tetrazol-5-yl]aniline 651023-35-7P, N-(3-Cyclopentyl-oxy-4-methoxyphenyl)-N-[(3-pyridyl)methyl]N-(3-chloro-4-(2H-tetrazol-5-yl)aniline 651023-36-6P,
N-(4-Methoxy-3-[[[(R)-tetrahydrofuran-3-yl]oxy]phenyl]N-(4-(3,5-dichloropyridyl)methyl)aniline 4-(2H-tetrazol-5-yl)aniline 651023-37-9P,
N-(4-Methoxy-3-[[[(R)-tetrahydrofuran-3-yl]oxy]phenyl]N-(3-(3-pyridyl)methyl)-4-[(4-piperidin-1-yl)sulfonyl]aniline 651023-38-0P,
3-Cyclopentyl-oxy-4-hydroxy-N-[3-[[1,1-dimethyl-ethoxy]carbonyl]phenyl]N-(3-pyridyl)methyl]aniline 651023-39-7P, N-(4-Methoxy-3-[[[(R)-tetrahydrofuran-3-yl]oxy]phenyl]N-(3-(3-pyridyl)methyl)-4-(4-morpholinyl)aniline 651023-40-4P, N-(4-Methoxy-3-[[[(R)-tetrahydrofuran-3-yl]oxy]phenyl]N-(3-(3-pyridyl)methyl)-4-(4-methyl-1-piperazinyl)aniline 651023-41-5P, N-(4-Methoxy-3-[[[(R)-tetrahydrofuran-3-yl]oxy]phenyl]N-(3-(3-pyridyl)methyl)-4-(1-piperazinyl)aniline 651023-42-6P, N-(4-Methoxy-3-[[[(R)-tetrahydrofuran-3-yl]oxy]phenyl]N-(3-(3-pyridyl)methyl)-4-(N,N-diethylanilino]aniline 651023-43-7P, N-(4-Methoxy-3-[[[(R)-tetrahydrofuran-3-yl]oxy]phenyl]N-(3-(3-pyridyl)methyl)-4-(methanesulfonyl)aniline 651023-44-8P, N-(4-Methoxy-3-[[[(R)-tetrahydrofuran-3-yl]oxy]phenyl]N-(3-(3-pyridyl)methyl)-3-methylsulfonyl]aniline 651023-45-9P, N-(4-Methoxy-3-[[[(R)-tetrahydrofuran-3-yl]oxy]phenyl]N-(3-(3-pyridyl)methyl)-4-[[[methylsulfonyl]amino]carbonyl]aniline 651023-46-0P,
N-(3-Cyclopentyl-oxy-4-methoxyphenyl)-N-[(3-pyridyl)methyl]N-3-[[[methylsulfonyl]amino]carbonyl]aniline 651023-47-1P,
N-(3-Cyclopentyl-oxy-4-methoxyphenyl)-N-[(3-pyridyl)methyl]N-3-[[[2-methylphenyl]sulfonyl]amino]carbonyl]aniline 651023-48-2P,
N-(3-Cyclopentyl-oxy-4-methoxyphenyl)-N-[(3-pyridyl)methyl]N-3-[[[phenylsulfonyl]amino]carbonyl]aniline 651023-49-3P,
N-(3-Cyclopentyl-oxy-4-methoxyphenyl)-N-[(3-pyridyl)methyl]N-4-[[[phenylsulfonyl]amino]carbonyl]aniline 651023-50-6P,
N-(3-Cyclopentyl-oxy-4-methoxyphenyl)-N-[(3-pyridyl)methyl]N-4-[[[methylsulfonyl]amino]carbonyl]aniline 651023-51-7P,
N-(4-Methoxy-3-[[[(R)-tetrahydrofuran-3-yl]oxy]phenyl]N-(3-pyridyl)methyl)-4-[[[(4-fluorophenyl)sulfonyl]amino]carbonyl]aniline 651023-52-8P, N-(4-Methoxy-3-[[[(R)-tetrahydrofuran-3-yl]oxy]phenyl]N-(3,5-dichloropyridin-4-yl)methyl)-4-[[[phenylsulfonyl]amino]carbonyl]aniline 651023-53-9P,
N-(4-Methoxy-3-[[[(R)-tetrahydrofuran-3-yl]oxy]phenyl]N-(3,5-dichloropyridin-4-yl)methyl)-4-[[[methylsulfonyl]amino]carbonyl]aniline 651023-54-0P, N-(4-Methoxy-3-[[[(R)-tetrahydrofuran-3-yl]oxy]phenyl]N-[(3-pyridyl)methyl)-4-[[[ethylsulfonyl]amino]carbonyl]aniline 651023-55-1P, N-(4-Methoxy-3-[[[(R)-tetrahydrofuran-3-

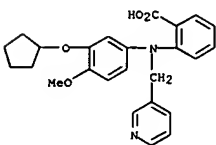
yl)oxy]phenyl]-N-[(3-pyridyl)methyl]-4-[[[(2-fluorophenyl)sulfonyl]amino]carbonyl]aniline 651023-56-2P, N-[4-Methoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-4-[[[(4-methoxyphenyl)sulfonyl]amino]carbonyl]aniline 651023-57-3P, N-[4-Methoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-4-[[[(3-chlorophenyl)sulfonyl]amino]carbonyl]aniline 651023-58-4P, N-[4-Difluoromethoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-4-[[[(methylsulfonyl)amino]carbonyl]aniline 651023-59-5P, N-[4-Difluoromethoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-4-[[[(phenylsulfonyl)amino]carbonyl]aniline 651023-60-6P, N-[4-Methoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-4-[[[(phenylsulfonyl)amino]carbonyl]aniline 651023-61-9P, N-(3-Cyclopentyl)oxy-4-methoxyphenyl]-N-[(5-fluoro-3-pyridyl)methyl]-3-[[[(4-fluorophenyl)sulfonyl]amino]carbonyl]aniline 651023-62-0P, N-[4-Difluoromethoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-3-[[[(methylsulfonyl)amino]carbonyl]aniline 651023-63-1P, N-[4-Difluoromethoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-3-[[[(phenylsulfonyl)amino]carbonyl]aniline 651023-64-2P, N-[4-Difluoromethoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-4-[[[(3-chlorophenyl)sulfonyl]amino]carbonyl]aniline 651023-65-3P, N-[4-Difluoromethoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-4-[[[(12-fluorophenyl)sulfonyl]amino]carbonyl]aniline 651023-66-4P, N-[4-Difluoromethoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-4-[[[(2,4-difluorophenyl)sulfonyl]amino]carbonyl]aniline 651023-67-5P, N-[4-Difluoromethoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-4-[[[(3,4-difluorophenyl)sulfonyl]amino]carbonyl]aniline 651023-68-6P, N-[4-Difluoromethoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-4-[[[(1,1-dimethylethyl)sulfonyl]amino]carbonyl]aniline 651023-69-7P, N-[4-Difluoromethoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-4-[[[(5-chloro-2-thienyl)sulfonyl]amino]carbonyl]aniline 651023-70-0P, N-[4-Difluoromethoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-4-[[[(3-thienyl)sulfonyl]amino]carbonyl]aniline 651023-71-1P, N-[4-Difluoromethoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-4-[[[(3-cyanophenyl)sulfonyl]amino]carbonyl]aniline 651023-72-2P, N-[4-Difluoromethoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-4-[[[(4-fluorophenyl)sulfonyl]amino]carbonyl]aniline 651023-73-3P, N-[4-Difluoromethoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-4-[[[(2-thienyl)sulfonyl]amino]carbonyl]aniline 651023-74-4P, N-[4-Difluoromethoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-4-[[[(3-fluorophenyl)sulfonyl]amino]carbonyl]aniline 651023-75-5P, N-[4-Methoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-4-[[[(3-cyanophenyl)sulfonyl]amino]carbonyl]aniline 651023-76-6P, N-[4-Methoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(2,6-difluorobenzyl)-4-[[[(4-fluorophenyl)sulfonyl]amino]carbonyl]aniline 651023-77-7P, N-[4-Methoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-

pyridyl)methyl]-4-[[[(3-fluorophenyl)sulfonyl]amino]carbonyl]aniline 651023-78-8P, N-[4-Methoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-4-[[[(2,4-difluorophenyl)sulfonyl]amino]carbonyl]aniline 651023-79-9P, N-[4-Methoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-4-[[[(3,4-difluorophenyl)sulfonyl]amino]carbonyl]aniline 651023-81-3P, N-[4-Methoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-fluorobenzyl)-4-[[[(4-fluorophenyl)sulfonyl]amino]carbonyl]aniline 651023-84-6P, N-[4-Difluoromethoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-4-[[[(ethylsulfonyl)amino]carbonyl]aniline 651023-85-7P, N-(3-Cyclopentyl)oxy-4-difluoromethoxyphenyl]-N-[(3-pyridyl)methyl]-4-[[[(3-cyanophenyl)sulfonyl]amino]carbonyl]aniline 651023-86-8P, N-(3-Cyclopentyl)oxy-4-difluoromethoxyphenyl]-N-[(3-pyridyl)methyl]-4-[[[(4-fluorophenyl)sulfonyl]amino]carbonyl]aniline 651023-88-0P, N-(3-Cyclopentyl)oxy-4-difluoromethoxyphenyl]-N-[(3-pyridyl)methyl]-4-[[[(3-fluorophenyl)sulfonyl]amino]carbonyl]aniline 651023-89-1P, N-(3-Cyclopentyl)oxy-4-difluoromethoxyphenyl]-N-[(3-pyridyl)methyl]-4-[[[(3-chlorophenyl)sulfonyl]amino]carbonyl]aniline 651023-97-1P, N-[4-Methoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-4-[[[(methylsulfonyl)amino]carbonyl]aniline 651023-98-2P, N-[4-Methoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-4-[[[(cyclopentyl)(methylsulfonyl)amino]carbonyl]aniline 651023-99-3P, N-[4-Methoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-4-[[[(1-ethyl-5-methylpyrazol-4-yl)carbonyl]amino]sulfonyl]aniline 651024-00-9P, N-[4-Methoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-4-[[[(1-ethyl-5-methylpyrazol-4-yl)carbonyl]amino]sulfonyl]aniline 651024-01-0P, N-[4-Methoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-3-hydroxymethyl]aniline 651024-02-1P, N-[4-Difluoromethoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-3-hydroxymethyl]aniline 651024-03-2P, N-[4-Methoxy-3-[(R)-tetrahydrofuran-3-yl]oxy]phenyl]-N-[(3-pyridyl)methyl]-4-hydroxymethyl]aniline 651024-04-3P, 3-Cyclopentyl)oxy-4-methoxy-N-(3-aminocarbonylphenyl)-N-[(3-pyridyl)methyl]aniline 651024-05-4P, 3-Cyclopentyl)oxy-4-methoxy-N-(3-[(methylamino)carbonyl]phenyl)-N-[(3-pyridyl)methyl]aniline 651024-06-5P, 3-Cyclopentyl)oxy-4-methoxy-N-(3-[(2-hydroxyethyl)amino]carbonyl]phenyl)-N-[(3-pyridyl)methyl]aniline 651024-07-6P, 3-Cyclopentyl)oxy-4-methoxy-N-phenyl-N-(2-ethoxy)pyridin-3-yl)methyl]aniline 651024-08-8P, 3-Cyclopentyl)oxy-4-methoxy-N-(4-amino-3-carboxyphenyl)-N-[(3-pyridyl)methyl]aniline 651024-10-1P, 3-Cyclopentyl)oxy-4-methoxy-N-(4-acetamido-3-carboxyphenyl)-N-[(3-pyridyl)methyl]aniline 651024-11-2P, 3-Cyclopentyl)oxy-4-methoxy-N-phenyl-N-(3-chloropyridin-4-yl)methyl]aniline 651024-12-3P, 3-Cyclopentyl)oxy-4-methoxy-N-(3-carboxy-4-trifluoromethylphenyl)-N-[(3-pyridyl)methyl]aniline 651024-13-4P, Methyl 3-[(3-cyclopentyl)oxy-4-methoxyphenyl][(3-pyridyl)methyl]amino]benzoate
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (drug candidate; prepn. of selective phosphodiesterase 4 inhibitors,

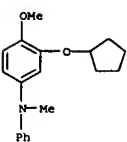
L21 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
 including ether-functionalized N-substituted aniline and diphenylamine analogs, for cognition enhancement and other uses)
 RN 460080-72-2 CAPLUS
 CN 3-Pyridinemethanamine, N-[3-(cyclopentyl)oxy]-4-methoxyphenyl]-N-phenyl- (9CI) (CA INDEX NAME)



RN 460080-75-5 CAPLUS
 CN Benzoic acid, 2-[[[3-(cyclopentyl)oxy]-4-methoxyphenyl][(3-pyridyl)methyl]amino]- (9CI) (CA INDEX NAME)

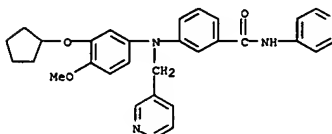


RN 460080-81-3 CAPLUS
 CN Benzenamine, 3-[[[3-(cyclopentyl)oxy]-4-methoxy-N-methyl-N-phenyl- (9CI) (CA INDEX NAME)

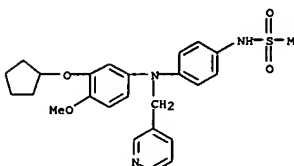


RN 460080-85-7 CAPLUS
 CN Benzamide, 3-[[[3-(cyclopentyl)oxy]-4-methoxyphenyl][(3-pyridyl)methyl]amino]-N-4-pyridinyl- (9CI) (CA INDEX NAME)

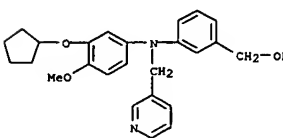
L21 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



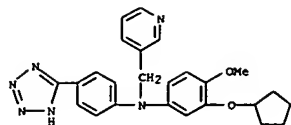
RN 460080-86-8 CAPLUS
 CN Methanesulfonamide, N-[4-[[[3-(cyclopentyl)oxy]-4-methoxyphenyl][(3-pyridyl)methyl]amino]phenyl]- (9CI) (CA INDEX NAME)



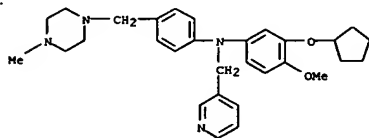
RN 460080-88-0 CAPLUS
 CN Benzenemethanol, 3-[[[3-(cyclopentyl)oxy]-4-methoxyphenyl][(3-pyridyl)methyl]amino]- (9CI) (CA INDEX NAME)



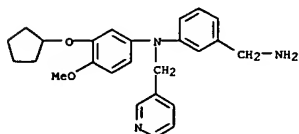
RN 460080-89-1 CAPLUS
 CN 3-Pyridinemethanamine, N-[3-(cyclopentyl)oxy]-4-methoxyphenyl]-N-(4-(1H-tetrazol-5-yl)phenyl)- (9CI) (CA INDEX NAME)



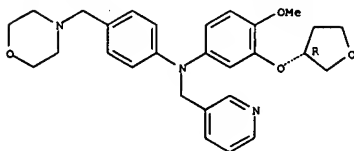
RN 460080-91-5 CAPLUS
CN 3-Pyridinemethanamine, N-[3-((cyclopentylmethoxy)methyl)-4-methoxyphenyl]-N-[4-((4-methyl-1-piperazinyl)methyl)phenyl]- (9CI) (CA INDEX NAME)



RN 460080-93-7 CAPLUS
CN 3-Pyridinemethanamine, N-[3-((aminomethyl)phenyl)-N-[3-((cyclopentylmethoxy)methyl)-4-methoxyphenyl]- (9CI) (CA INDEX NAME)

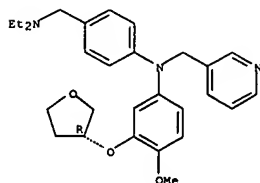


RN 460080-96-0 CAPLUS
CN 3-Pyridinemethanamine, N-[3-((cyclopentylmethoxy)methyl)-4-methoxyphenyl]-N-[3-((2-(1-piperidinyl)ethoxy)phenyl)- (9CI) (CA INDEX NAME)



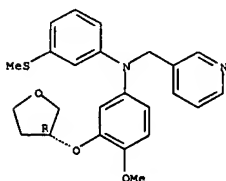
RN 651022-30-9 CAPLUS
CN 3-Pyridinemethanamine, N-[4-((diethylamino)methyl)phenyl]-N-[4-methoxy-3-((3R)-tetrahydro-3-furanyl)oxy]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

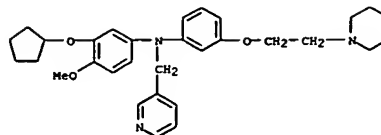


RN 651022-31-0 CAPLUS
CN 3-Pyridinemethanamine, N-[4-methoxy-3-((3R)-tetrahydro-3-furanyl)oxy]phenyl]-N-[3-((methylthio)phenyl)- (9CI) (CA INDEX NAME)

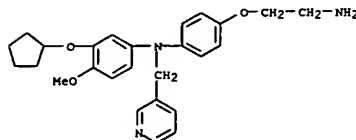
Absolute stereochemistry.



RN 651022-34-3 CAPLUS
CN Benzoic acid, 3-((3-((cyclopentylmethoxy)methyl)-4-methoxyphenyl)(3-pyridinylmethyl)amino)-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

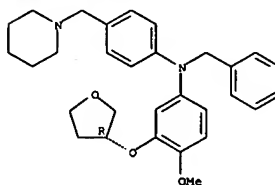


RN 460080-98-2 CAPLUS
CN 3-Pyridinemethanamine, N-[4-((2-aminoethoxy)phenyl)-N-[3-((cyclopentylmethoxy)methyl)-4-methoxyphenyl]- (9CI) (CA INDEX NAME)



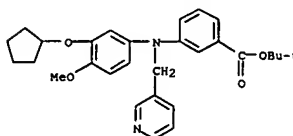
RN 651022-28-5 CAPLUS
CN 3-Pyridinemethanamine, N-[4-methoxy-3-((3R)-tetrahydro-3-furanyl)oxy]phenyl]-N-[4-((1-piperidinylmethyl)phenyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

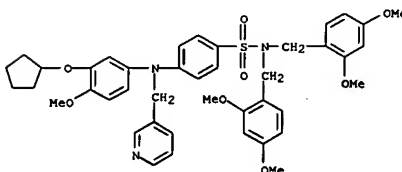


RN 651022-29-6 CAPLUS
CN 3-Pyridinemethanamine, N-[4-methoxy-3-((3R)-tetrahydro-3-furanyl)oxy]phenyl]-N-[4-((4-morpholinylmethyl)phenyl)- (9CI) (CA INDEX NAME)

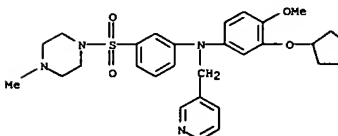
Absolute stereochemistry.



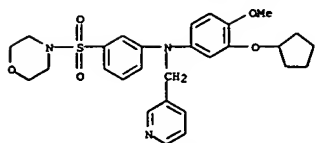
RN 651022-37-6 CAPLUS
CN Benzenesulfonamide, 4-((3-((cyclopentylmethoxy)methyl)-4-methoxyphenyl)(3-pyridinylmethyl)amino)-N,N-bis((2,4-dimethoxyphenyl)methyl)- (9CI) (CA INDEX NAME)



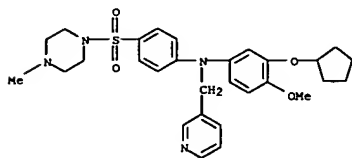
RN 651022-38-7 CAPLUS
CN Piperazine, 1-((3-((3-((cyclopentylmethoxy)methyl)-4-methoxyphenyl)(3-pyridinylmethyl)amino)phenyl)sulfonyl)-4-methyl- (9CI) (CA INDEX NAME)



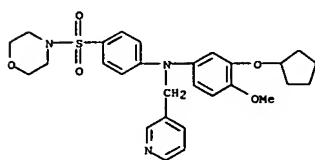
RN 651022-39-8 CAPLUS
CN Morpholine, 4-((3-((3-((cyclopentylmethoxy)methyl)-4-methoxyphenyl)(3-pyridinylmethyl)amino)phenyl)sulfonyl)- (9CI) (CA INDEX NAME)



RN 651022-40-1 CAPLUS
CN Piperazine, 1-[[4-[[3-(cyclopentyloxy)-4-methoxyphenyl](3-pyridinylmethyl)amino]phenyl]sulfonyl]-4-methyl- (9CI) (CA INDEX NAME)



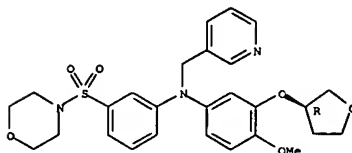
RN 651022-41-2 CAPLUS
CN Morpholine, 4-[[4-[[3-(cyclopentyloxy)-4-methoxyphenyl](3-pyridinylmethyl)amino]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)



RN 651022-42-3 CAPLUS
CN Piperazine, 1-[[3-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino]phenyl]sulfonyl]-4-methyl- (9CI) (CA INDEX NAME)

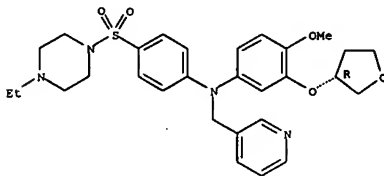
Absolute stereochemistry.

Absolute stereochemistry.



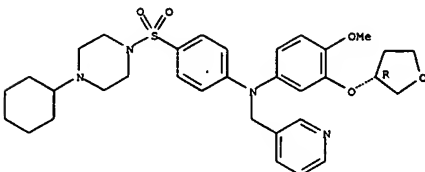
RN 651022-46-7 CAPLUS
CN Piperazine, 1-ethyl-4-[[4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

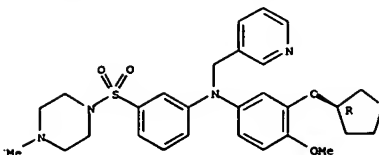


RN 651022-47-8 CAPLUS
CN Piperazine, 1-cyclohexyl-4-[[4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

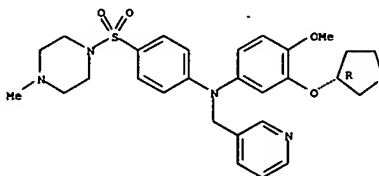


RN 651022-48-9 CAPLUS
CN Piperazine, 1-[[4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino]phenyl]sulfonyl]-4-(2-pyridinyl)- (9CI) (CA INDEX NAME)



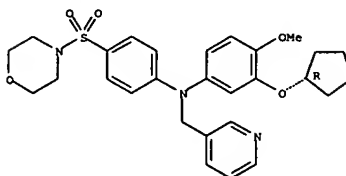
RN 651022-43-4 CAPLUS
CN Piperazine, 1-[[4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino]phenyl]sulfonyl]-4-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



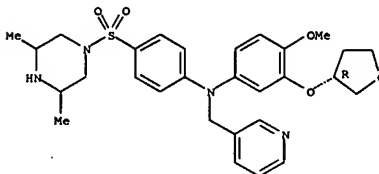
RN 651022-44-5 CAPLUS
CN Morpholine, 4-[[4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



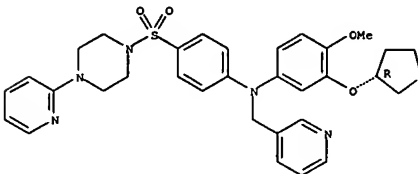
RN 651022-45-6 CAPLUS
CN Morpholine, 4-[[3-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



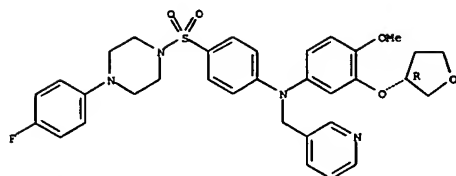
RN 651022-49-0 CAPLUS
CN Piperazine, 1-[[4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino]phenyl]sulfonyl]-4-(2-pyridinyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

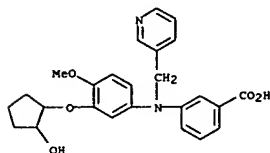


RN 651022-50-3 CAPLUS
CN Piperazine, 1-(4-fluorophenyl)-4-[[4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)

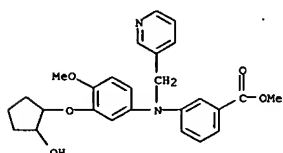
Absolute stereochemistry.



RN 651022-52-5 CAPLUS
CN Benzoic acid, 3-[[3-[(2-hydroxycyclopentyl)oxy]-4-methoxyphenyl](3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)



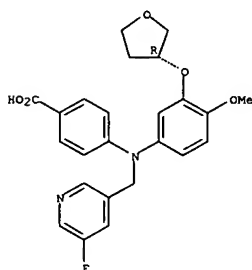
RN 651022-57-0 CAPLUS
CN Benzoic acid, 3-[[3-[(2-hydroxycyclopentyl)oxy]-4-methoxyphenyl](3-pyridinylmethyl)amino]-, methyl ester (9CI) (CA INDEX NAME)



RN 651022-58-1 CAPLUS
CN Benzoic acid, 3-[[3-[(3-hydroxycyclopentyl)oxy]-4-methoxyphenyl](3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)

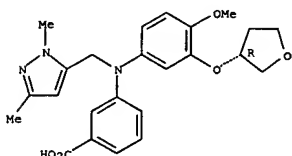
L21 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
CN Benzoic acid, 4-[[5-(fluoro-3-pyridinyl)methyl][4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



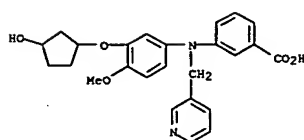
RN 651022-66-1 CAPLUS
CN Benzoic acid, 3-[[[(1,3-dimethyl-1H-pyrazol-5-yl)methyl][4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



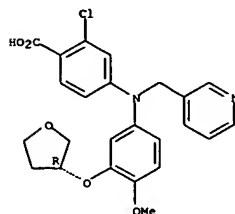
RN 651022-67-2 CAPLUS
CN Benzoic acid, 3-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino]-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



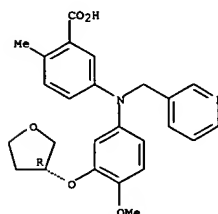
RN 651022-60-5 CAPLUS
CN Benzoic acid, 2-chloro-4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

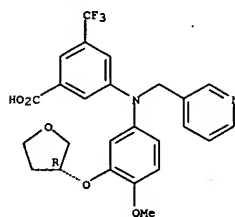


RN 651022-63-8 CAPLUS
CN Benzoic acid, 5-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino)-2-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

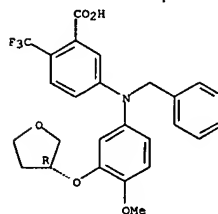


RN 651022-65-0 CAPLUS



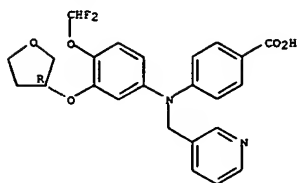
RN 651022-68-3 CAPLUS
CN Benzoic acid, 5-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino)-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

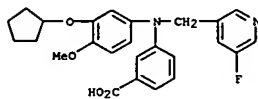


RN 651022-69-4 CAPLUS
CN Benzoic acid, 4-[[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino)- (9CI) (CA INDEX NAME)

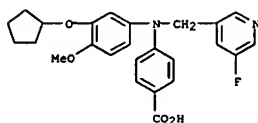
Absolute stereochemistry.



RN 651022-70-7 CAPLUS
CN Benzoic acid, 3-[[3-(cyclopentyloxy)-4-methoxyphenyl][(5-fluoro-3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)

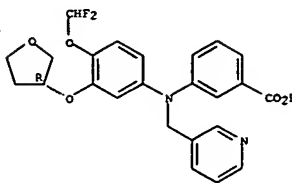


RN 651022-71-8 CAPLUS
CN Benzoic acid, 4-[[3-(cyclopentyloxy)-4-methoxyphenyl][(5-fluoro-3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)

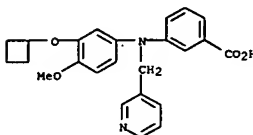


RN 651022-72-9 CAPLUS
CN Benzoic acid, 3-[[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl][(3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)

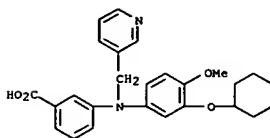
Absolute stereochemistry.



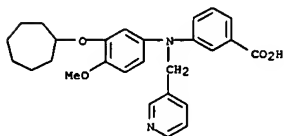
RN 651022-73-0 CAPLUS
CN Benzoic acid, 3-[[3-(cyclobutyloxy)-4-methoxyphenyl][(3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)



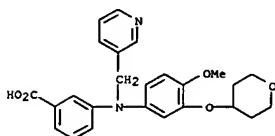
RN 651022-74-1 CAPLUS
CN Benzoic acid, 3-[[3-(cyclohexyloxy)-4-methoxyphenyl][(3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)



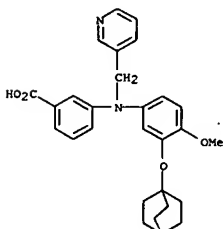
RN 651022-75-2 CAPLUS
CN Benzoic acid, 3-[[3-(cycloheptyloxy)-4-methoxyphenyl][(3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)



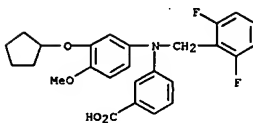
RN 651022-76-3 CAPLUS
CN Benzoic acid, 3-[[4-methoxy-3-[(tetrahydro-2H-pyran-4-yl)oxy]phenyl][(3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)



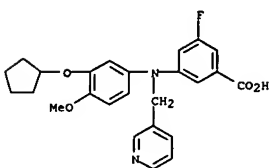
RN 651022-77-4 CAPLUS
CN Benzoic acid, 3-[[3-(bicyclo[2.2.2]oct-1-yloxy)-4-methoxyphenyl][(3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)



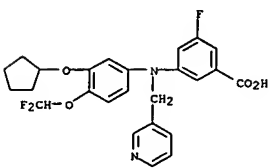
RN 651022-78-5 CAPLUS
CN Benzoic acid, 3-[[3-(cyclopentyloxy)-4-methoxyphenyl][(2,6-difluorophenyl)methyl]amino]- (9CI) (CA INDEX NAME)



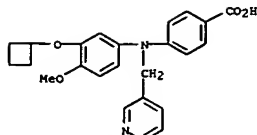
RN 651022-80-9 CAPLUS
CN Benzoic acid, 3-[[3-(cyclopentyloxy)-4-methoxyphenyl][(3-pyridinyl)methyl]amino]-5-fluoro- (9CI) (CA INDEX NAME)



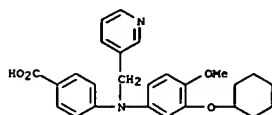
RN 651022-81-0 CAPLUS
CN Benzoic acid, 3-[[3-(cyclopentyloxy)-4-(difluoromethoxy)phenyl][(3-pyridinyl)methyl]amino]-5-fluoro- (9CI) (CA INDEX NAME)



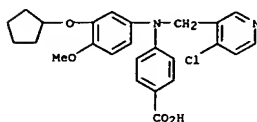
RN 651022-83-2 CAPLUS
CN Benzoic acid, 4-[[3-(cyclobutyloxy)-4-methoxyphenyl][(3-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)



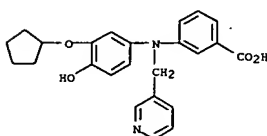
RN 651022-84-3 CAPLUS
CN Benzoic acid, 4-[[3-(cyclohexyloxy)-4-methoxyphenyl][3-pyridinylmethyl]amino]- (9CI) (CA INDEX NAME)



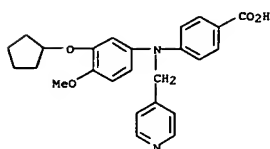
RN 651022-95-6 CAPLUS
CN Benzoic acid, 4-[[[4-chloro-3-pyridinyl]methyl][3-(cyclopentyloxy)-4-methoxyphenyl]amino]- (9CI) (CA INDEX NAME)



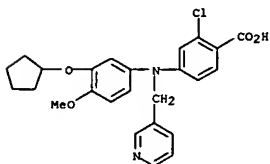
RN 651022-97-8 CAPLUS
CN Benzoic acid, 3-[[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl][4-pyridinylmethyl]amino]- (9CI) (CA INDEX NAME)



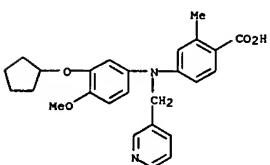
RN 651023-01-7 CAPLUS
CN Benzoic acid, 4-[[[3-(cyclopentyloxy)-4-methoxyphenyl][4-pyridinylmethyl]amino]- (9CI) (CA INDEX NAME)



RN 651023-02-8 CAPLUS
CN Benzoic acid, 2-chloro-4-[[[3-(cyclopentyloxy)-4-methoxyphenyl][3-pyridinylmethyl]amino]- (9CI) (CA INDEX NAME)



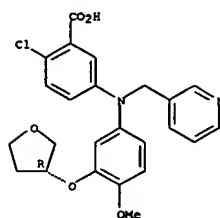
RN 651023-03-9 CAPLUS
CN Benzoic acid, 4-[[[3-(cyclopentyloxy)-4-methoxyphenyl][3-pyridinylmethyl]amino]-2-methyl- (9CI) (CA INDEX NAME)



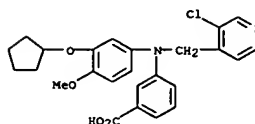
RN 651023-04-0 CAPLUS
CN Benzoic acid, 4-[[[3-(cyclopentyloxy)-4-methoxyphenyl][3-pyridinylmethyl]amino]-2-fluoro- (9CI) (CA INDEX NAME)

RN 651022-98-9 CAPLUS
CN Benzoic acid, 2-chloro-5-[[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl][3-pyridinylmethyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

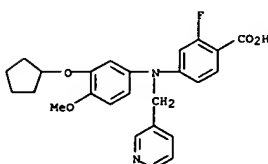
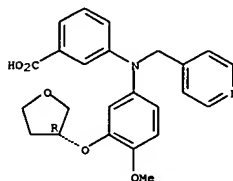


RN 651022-99-0 CAPLUS
CN Benzoic acid, 3-[[[3-chloro-4-pyridinyl]methyl][3-(cyclopentyloxy)-4-methoxyphenyl]amino]- (9CI) (CA INDEX NAME)

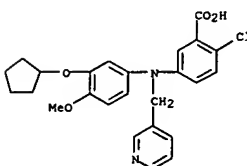


RN 651023-00-6 CAPLUS
CN Benzoic acid, 3-[[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl][4-pyridinylmethyl]amino]- (9CI) (CA INDEX NAME)

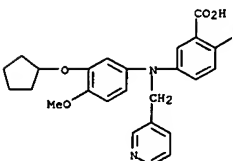
Absolute stereochemistry.



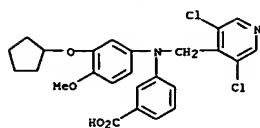
RN 651023-05-1 CAPLUS
CN Benzoic acid, 2-chloro-5-[[[3-(cyclopentyloxy)-4-methoxyphenyl][3-pyridinylmethyl]amino]- (9CI) (CA INDEX NAME)



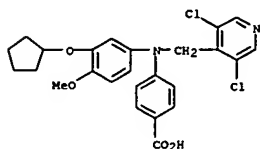
RN 651023-06-2 CAPLUS
CN Benzoic acid, 5-[[[3-(cyclopentyloxy)-4-methoxyphenyl][3-pyridinylmethyl]amino]-2-fluoro- (9CI) (CA INDEX NAME)



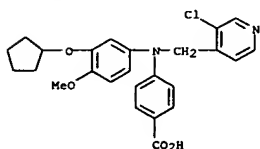
RN 651023-07-3 CAPLUS
CN Benzoic acid, 3-[[[3-(cyclopentyloxy)-4-methoxyphenyl][3,5-dichloro-4-pyridinyl]methyl]amino]- (9CI) (CA INDEX NAME)



RN 651023-08-4 CAPLUS
CN Benzoic acid, 4-[[3-(cyclopentyloxy)-4-methoxyphenyl][(3,5-dichloro-4-pyridinyl)methyl]amino]- (9CI) (CA INDEX NAME)

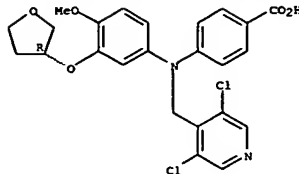


RN 651023-09-5 CAPLUS
CN Benzoic acid, 4-[[3-(3-chloro-4-pyridinyl)methyl][3-(cyclopentyloxy)-4-methoxyphenyl]amino]- (9CI) (CA INDEX NAME)



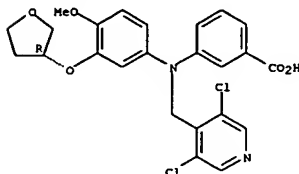
RN 651023-10-8 CAPLUS
CN Benzoic acid, 4-[[3-(3,5-dichloro-4-pyridinyl)methyl][4-methoxy-3-[[3R]-tetrahydro-3-furanyl]oxy]phenyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

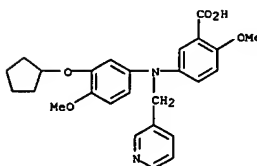


RN 651023-12-0 CAPLUS
CN Benzoic acid, 3-[[3-(3,5-dichloro-4-pyridinyl)methyl][4-methoxy-3-[[3R]-tetrahydro-3-furanyl]oxy]phenyl]amino]- (9CI) (CA INDEX NAME)

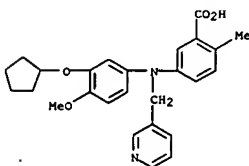
Absolute stereochemistry.



RN 651023-14-2 CAPLUS
CN Benzoic acid, 5-[[3-(cyclopentyloxy)-4-methoxyphenyl][3-pyridinylmethyl]amino]-2-methoxy- (9CI) (CA INDEX NAME)

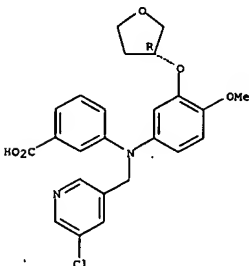


RN 651023-15-3 CAPLUS
CN Benzoic acid, 5-[[3-(cyclopentyloxy)-4-methoxyphenyl][3-pyridinylmethyl]amino]-2-methyl- (9CI) (CA INDEX NAME)



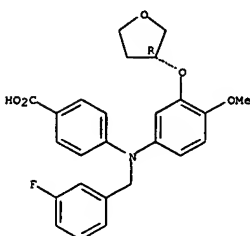
RN 651023-17-5 CAPLUS
CN Benzoic acid, 3-[[5-chloro-3-pyridinyl)methyl][4-methoxy-3-[[3R]-tetrahydro-3-furanyl]oxy]phenyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

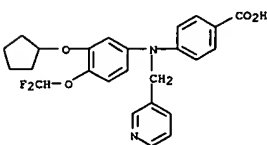


RN 651023-19-7 CAPLUS
CN Benzoic acid, 4-[[3-(3-fluorophenyl)methyl][4-methoxy-3-[[3R]-tetrahydro-3-furanyl]oxy]phenyl]amino]- (9CI) (CA INDEX NAME)

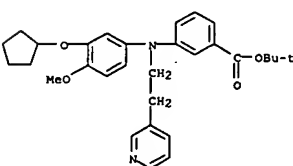
Absolute stereochemistry.



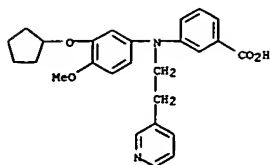
RN 651023-20-0 CAPLUS
CN Benzoic acid, 4-[[3-(cyclopentyloxy)-4-(difluoromethoxy)phenyl][3-pyridinylmethyl]amino]- (9CI) (CA INDEX NAME)



RN 651023-31-3 CAPLUS
CN Benzoic acid, 3-[[3-(cyclopentyloxy)-4-methoxyphenyl][2-(3-pyridinyl)ethyl]amino]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

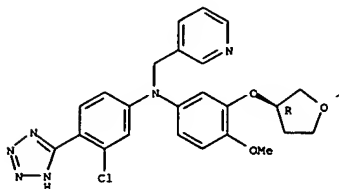


RN 651023-33-5 CAPLUS
CN Benzoic acid, 3-[[3-(cyclopentyloxy)-4-methoxyphenyl][2-(3-pyridinyl)ethyl]amino]- (9CI) (CA INDEX NAME)

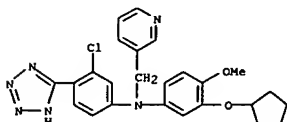


RN 651023-34-6 CAPLUS
CN 3-Pyridinemethanamine, N-[3-chloro-4-((1H-tetrazol-5-yl)phenyl)-N-[4-methoxy-3-((3R)-tetrahydro-3-furanyl)oxy]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



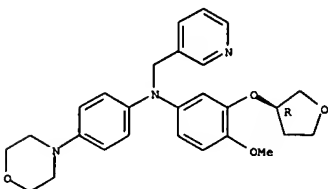
RN 651023-35-7 CAPLUS
CN 3-Pyridinemethanamine, N-[3-chloro-4-((1H-tetrazol-5-yl)phenyl)-N-[3-(cyclopentyloxy)-4-methoxyphenyl]- (9CI) (CA INDEX NAME)



RN 651023-36-8 CAPLUS
CN 2-Pyridinemethanamine, N-[4-methoxy-3-((3R)-tetrahydro-3-furanyl)oxy]phenyl]-N-[4-((1H-tetrazol-5-yl)phenyl)- (9CI) (CA INDEX NAME)

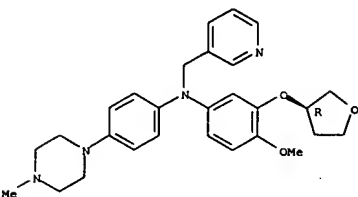
Absolute stereochemistry.

Absolute stereochemistry.



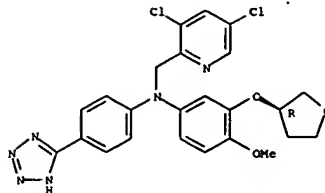
RN 651023-40-4 CAPLUS
CN 3-Pyridinemethanamine, N-[4-methoxy-3-((3R)-tetrahydro-3-furanyl)oxy]phenyl]-N-[4-(4-methyl-1-piperazinyl)phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



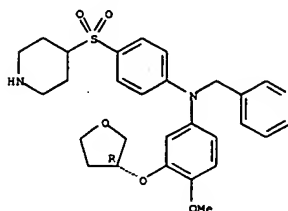
RN 651023-41-5 CAPLUS
CN 3-Pyridinemethanamine, N-[4-methoxy-3-((3R)-tetrahydro-3-furanyl)oxy]phenyl]-N-[4-(1-piperazinyl)phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

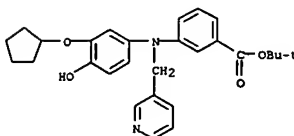


RN 651023-37-9 CAPLUS
CN 3-Pyridinemethanamine, N-[4-methoxy-3-((3R)-tetrahydro-3-furanyl)oxy]phenyl]-N-[4-(4-piperidinylsulfonyl)phenyl]- (9CI) (CA INDEX NAME)

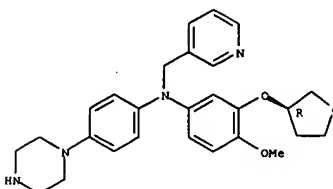
Absolute stereochemistry.



RN 651023-38-0 CAPLUS
CN Benzoic acid, 3-[[3-(cyclopentyloxy)-4-hydroxyphenyl][(3-pyridinylmethyl)amino]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

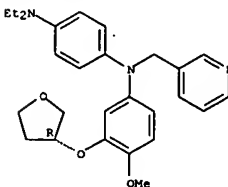


RN 651023-39-1 CAPLUS
CN 3-Pyridinemethanamine, N-[4-methoxy-3-((3R)-tetrahydro-3-



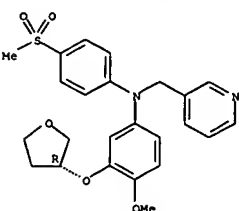
RN 651023-42-6 CAPLUS
CN 1,4-Benzenediamine, N,N-diethyl-N'-[4-methoxy-3-((3R)-tetrahydro-3-furanyl)oxy]phenyl]-N'-[3-pyridinylmethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



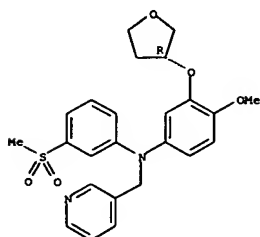
RN 651023-43-7 CAPLUS
CN 3-Pyridinemethanamine, N-[4-methoxy-3-((3R)-tetrahydro-3-furanyl)oxy]phenyl]-N-[4-(methylsulfonyl)phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



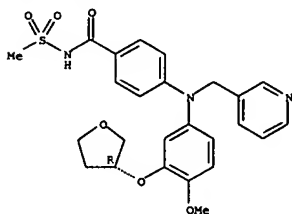
L21 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 RN 651023-44-8 CAPLUS
 CN 3-Pyridinemethanamine, N-[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl]-N-[3-(methylsulfonyl)phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



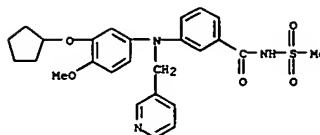
RN 651023-45-9 CAPLUS
 CN Benzamide, 4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino]-N-(methylsulfonyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

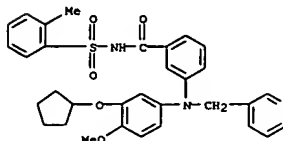


RN 651023-46-0 CAPLUS
 CN Benzamide, 3-[[3-(cyclopentylloxy)-4-methoxyphenyl](3-pyridinylmethyl)amino]-N-(methylsulfonyl)- (9CI) (CA INDEX NAME)

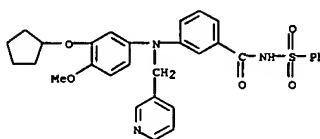
L21 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 651023-47-1 CAPLUS
 CN Benzamide, 3-[[3-(cyclopentylloxy)-4-methoxyphenyl](3-pyridinylmethyl)amino]-N-(2-methylphenyl)sulfonyl)- (9CI) (CA INDEX NAME)

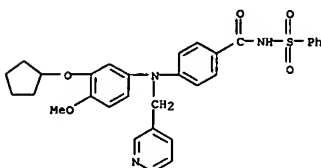


RN 651023-48-2 CAPLUS
 CN Benzamide, 3-[[3-(cyclopentylloxy)-4-methoxyphenyl](3-pyridinylmethyl)amino]-N-(phenylsulfonyl)- (9CI) (CA INDEX NAME)

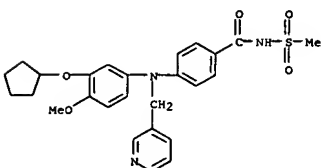


RN 651023-49-3 CAPLUS
 CN Benzamide, 4-[[3-(cyclopentylloxy)-4-methoxyphenyl](3-pyridinylmethyl)amino]-N-(phenylsulfonyl)- (9CI) (CA INDEX NAME)

L21 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

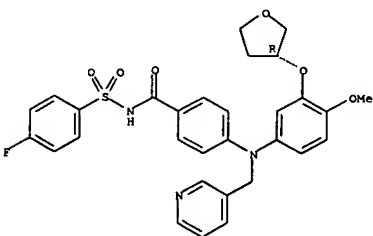


RN 651023-50-6 CAPLUS
 CN Benzamide, 4-[[3-(cyclopentylloxy)-4-methoxyphenyl](3-pyridinylmethyl)amino]-N-(methylsulfonyl)- (9CI) (CA INDEX NAME)



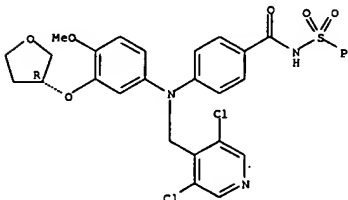
RN 651023-51-7 CAPLUS
 CN Benzamide, N-[(4-fluorophenyl)sulfonyl]-4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



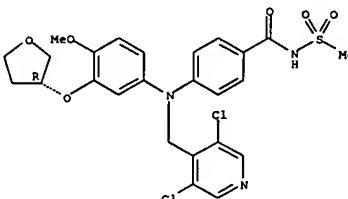
L21 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 RN 651023-52-8 CAPLUS
 CN Benzamide, 4-[[3,5-dichloro-4-pyridinyl]methyl][4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl]amino]-N-(phenylsulfonyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



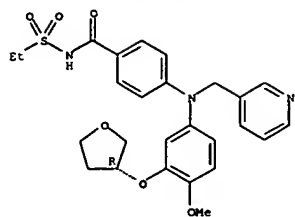
RN 651023-53-9 CAPLUS
 CN Benzamide, 4-[[3,5-dichloro-4-pyridinyl]methyl][4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl]amino]-N-(methylsulfonyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



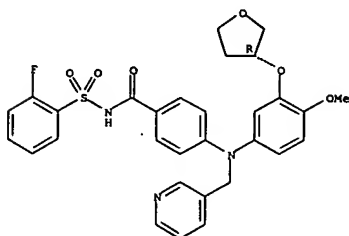
RN 651023-54-0 CAPLUS
 CN Benzamide, N-(methylsulfonyl)-4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



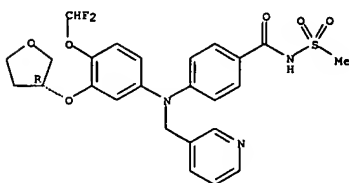
RN 651023-55-1 CAPLUS
 CN Benzamide,
 N-[(2-fluorophenyl)sulfonyl]-4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyloxy]phenyl](3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



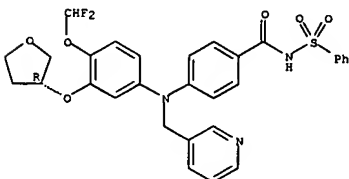
RN 651023-56-2 CAPLUS
 CN Benzamide,
 N-[(4-methoxyphenyl)sulfonyl]-4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyloxy]phenyl](3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



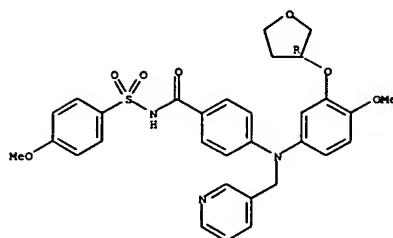
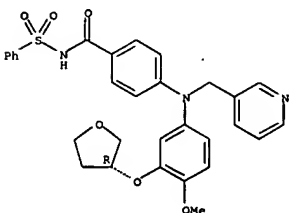
RN 651023-59-5 CAPLUS
 CN Benzamide, 4-[[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyloxy]phenyl](3-pyridinylmethyl)amino]-N-(phenylsulfonyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



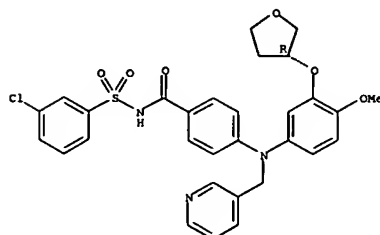
RN 651023-60-8 CAPLUS
 CN Benzamide, 4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyloxy]phenyl](3-pyridinylmethyl)amino]-N-(phenylsulfonyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 651023-57-3 CAPLUS
 CN Benzamide,
 N-[(3-chlorophenyl)sulfonyl]-4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyloxy]phenyl](3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)

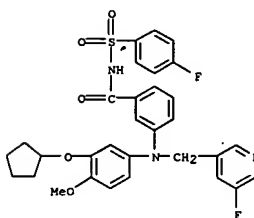
Absolute stereochemistry.



RN 651023-58-4 CAPLUS
 CN Benzamide, 4-[[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyloxy]phenyl](3-pyridinylmethyl)amino]-N-(methylsulfonyl)- (9CI) (CA INDEX NAME)

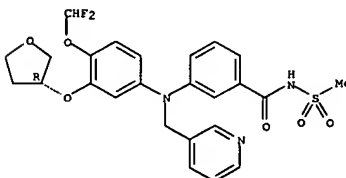
Absolute stereochemistry.

RN 651023-61-9 CAPLUS
 CN Benzamide, 3-[[3-(cyclopentyloxy)-4-methoxyphenyl] [(5-fluoro-3-pyridinyl)methyl]amino]-N-[(4-fluorophenyl)sulfonyl]- (9CI) (CA INDEX NAME)



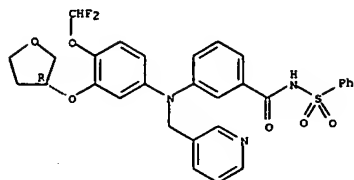
RN 651023-62-0 CAPLUS
 CN Benzamide, 3-[[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyloxy]phenyl](3-pyridinylmethyl)amino]-N-(methylsulfonyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



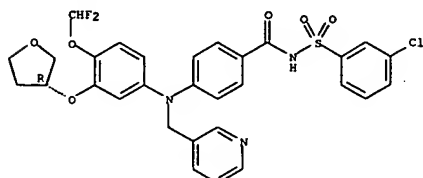
RN 651023-63-1 CAPLUS
 CN Benzamide, 3-[[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyloxy]phenyl](3-pyridinylmethyl)amino]-N-(phenylsulfonyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



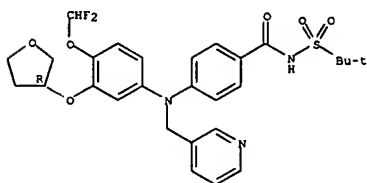
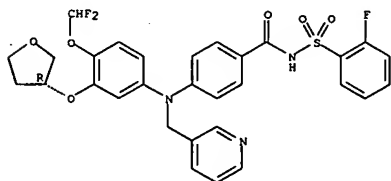
RN 651023-64-2 CAPLUS
CN Benzamide, N-[(3-chlorophenyl)sulfonyl]-4-[[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



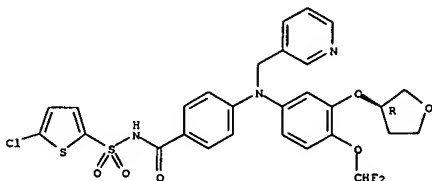
RN 651023-65-3 CAPLUS
CN Benzamide, 4-[[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino]-N-[(2-fluorophenyl)sulfonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



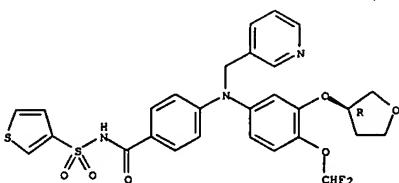
RN 651023-69-7 CAPLUS
CN Benzamide, N-[(5-chloro-2-thienyl)sulfonyl]-4-[[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



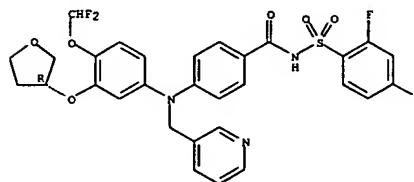
RN 651023-70-0 CAPLUS
CN Benzamide, 4-[[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino)-N-(3-thienylsulfonyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



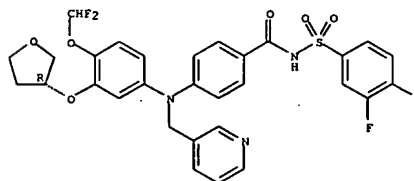
RN 651023-66-4 CAPLUS
CN Benzamide, 4-[[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino)-N-[(2,4-difluorophenyl)sulfonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 651023-67-5 CAPLUS
CN Benzamide, 4-[[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino)-N-[(3,4-difluorophenyl)sulfonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

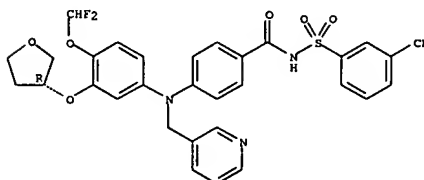


RN 651023-68-6 CAPLUS
CN Benzamide, 4-[[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino)-N-[(1,1-dimethylethyl)sulfonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

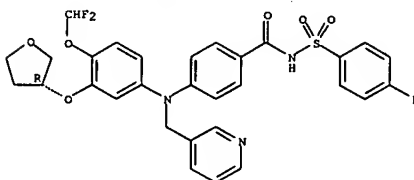
RN 651023-71-1 CAPLUS
CN Benzamide, N-[(3-cyanophenyl)sulfonyl]-4-[[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



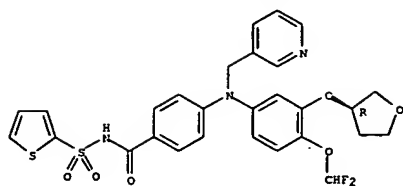
RN 651023-72-2 CAPLUS
CN Benzamide, 4-[[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino)-N-[(4-fluorophenyl)sulfonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



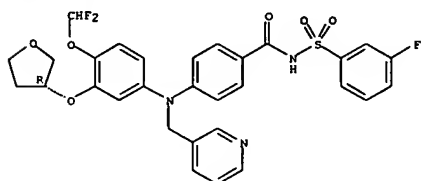
RN 651023-73-3 CAPLUS
CN Benzamide, 4-[[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino)-N-(2-thienylsulfonyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



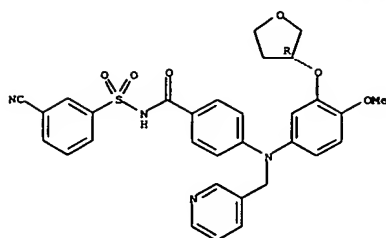
RN 651023-74-4 CAPLUS
CN Benzamide, 4-[[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino)-N-[(3-fluorophenyl)sulfonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



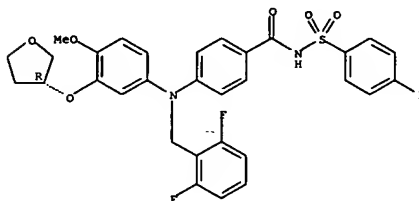
RN 651023-75-5 CAPLUS
CN Benzamide, N-[(3-cyanophenyl)sulfonyl]-4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



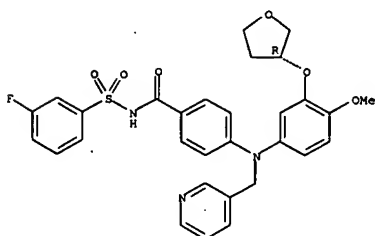
RN 651023-76-6 CAPLUS
CN Benzamide, 4-[[2,6-difluorophenyl]methyl][4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl]amino)-N-[(4-fluorophenyl)sulfonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



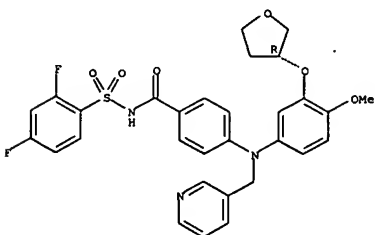
RN 651023-77-7 CAPLUS
CN Benzamide, N-[(3-fluorophenyl)sulfonyl]-4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



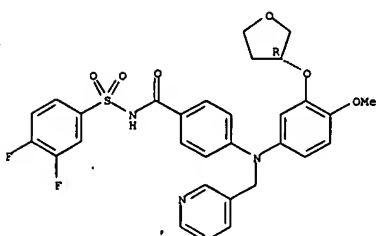
RN 651023-78-8 CAPLUS
CN Benzamide, N-[(2,4-difluorophenyl)sulfonyl]-4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



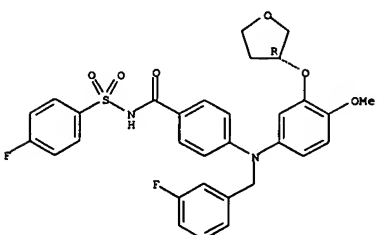
RN 651023-79-9 CAPLUS
CN Benzamide, N-[(3,4-difluorophenyl)sulfonyl]-4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



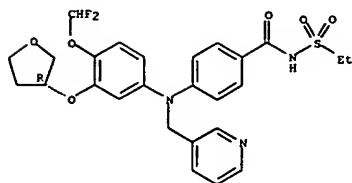
RN 651023-81-3 CAPLUS
CN Benzamide, 4-[[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino)-N-[(4-fluorophenyl)sulfonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

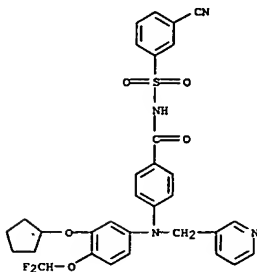


RN 651023-84-6 CAPLUS
CN Benzamide, 4-[[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino)-N-[(ethylsulfonyl)- (9CI) (CA INDEX NAME)

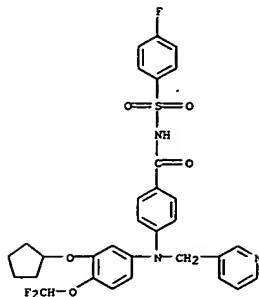
Absolute stereochemistry.



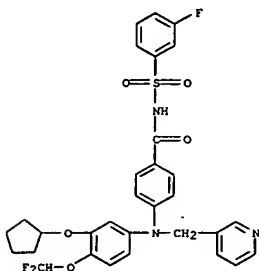
RN 651023-85-7 CAPLUS
CN Benamide, N-[(3-cyanophenyl)sulfonyl]-4-[[3-(cyclopentyloxy)-4-(difluoromethoxy)phenyl](3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)



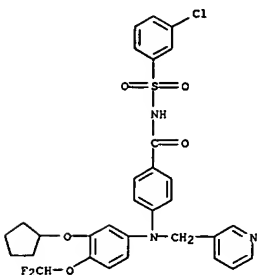
RN 651023-86-8 CAPLUS
CN Benamide, 4-[[3-(cyclopentyloxy)-4-(difluoromethoxy)phenyl](3-pyridinylmethyl)amino]-N-[(4-fluorophenyl)sulfonyl]- (9CI) (CA INDEX NAME)



RN 651023-88-0 CAPLUS
CN Benamide, 4-[[3-(cyclopentyloxy)-4-(difluoromethoxy)phenyl](3-pyridinylmethyl)amino]-N-[(3-fluorophenyl)sulfonyl]- (9CI) (CA INDEX NAME)

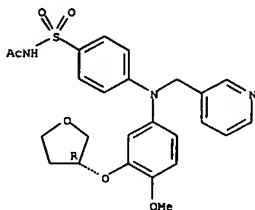


RN 651023-89-1 CAPLUS
CN Benamide, N-[(3-chlorophenyl)sulfonyl]-4-[[3-(cyclopentyloxy)-4-(difluoromethoxy)phenyl](3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)



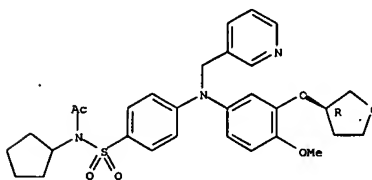
RN 651023-97-1 CAPLUS
CN Acetamide, N-[[4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



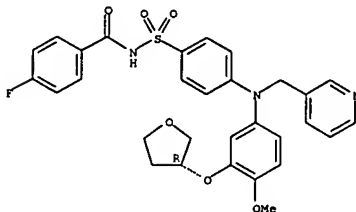
RN 651023-98-2 CAPLUS
CN Acetamide, N-cyclopentyl-N-[[4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



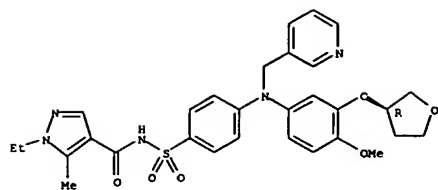
RN 651023-99-3 CAPLUS
CN Benamide, 4-fluoro-N-[[4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



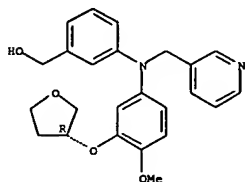
RN 651024-00-9 CAPLUS
CN 1H-Pyrazole-4-carboxamide, 1-ethyl-N-[[4-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino]phenyl]sulfonyl]-5-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



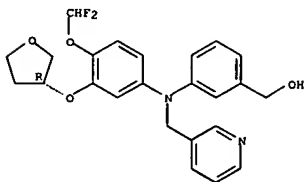
RN 651024-01-0 CAPLUS
CN Benzenesulfonamide, 3-[[4-methoxy-3-[[3-(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

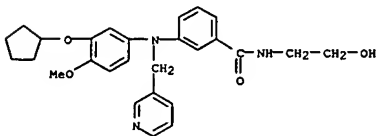


RN 651024-02-1 CAPLUS
CN Benzenesulfonamide, 3-[[4-(difluoromethoxy)-3-[[3-(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)

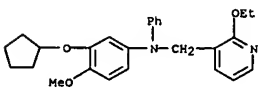
Absolute stereochemistry.



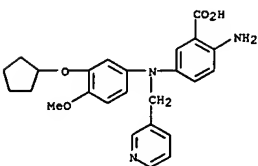
RN 651024-03-2 CAPLUS



RN 651024-07-6 CAPLUS
CN 3-Pyridinemethanamine, N-[[3-(cyclopentyloxy)-4-methoxyphenyl]-2-ethoxy-N-phenyl]- (9CI) (CA INDEX NAME)



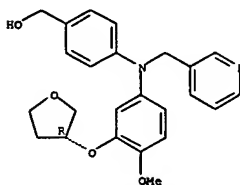
RN 651024-09-8 CAPLUS
CN Benzoic acid, 2-amino-5-[[3-(cyclopentyloxy)-4-methoxyphenyl](3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)



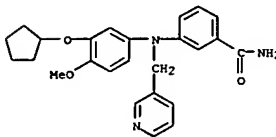
RN 651024-10-1 CAPLUS
CN Benzoic acid, 2-(acetamido)-5-[[3-(cyclopentyloxy)-4-methoxyphenyl](3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)

CN Benzenesulfonamide, 4-[[4-methoxy-3-[[3-(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)

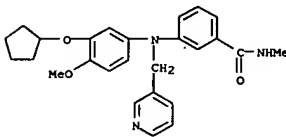
Absolute stereochemistry.



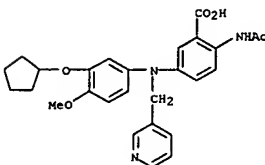
RN 651024-04-3 CAPLUS
CN Benzenesulfonamide, 3-[[3-(cyclopentyloxy)-4-methoxyphenyl](3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)



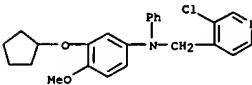
RN 651024-05-4 CAPLUS
CN Benzenesulfonamide, 3-[[3-(cyclopentyloxy)-4-methoxyphenyl](3-pyridinylmethyl)amino]-N-methyl- (9CI) (CA INDEX NAME)



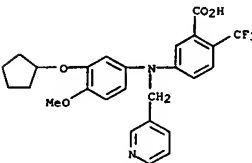
RN 651024-06-5 CAPLUS
CN Benzenesulfonamide, 3-[[3-(cyclopentyloxy)-4-methoxyphenyl](3-pyridinylmethyl)amino]-N-(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



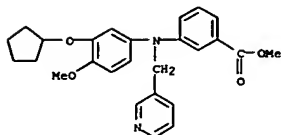
RN 651024-11-2 CAPLUS
CN 4-Pyridinemethanamine, 3-chloro-N-[[3-(cyclopentyloxy)-4-methoxyphenyl]-N-phenyl]- (9CI) (CA INDEX NAME)



RN 651024-12-3 CAPLUS
CN Benzoic acid, 5-[[3-(cyclopentyloxy)-4-methoxyphenyl](3-pyridinylmethyl)amino]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

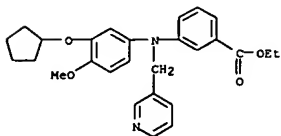


RN 651024-13-4 CAPLUS
CN Benzoic acid, 3-[[3-(cyclopentyloxy)-4-methoxyphenyl](3-pyridinylmethyl)amino]-, methyl ester (9CI) (CA INDEX NAME)

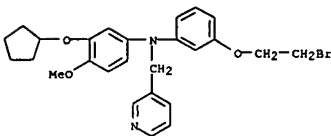


IT 460080-74-4, Ethyl 3-[(3-cyclopentyloxy-4-methoxyphenyl)((3-pyridyl)methyl)amino]benzoate 460080-76-6, tert-Butyl 2-[(3-cyclopentyloxy-4-methoxyphenyl)((3-pyridyl)methyl)amino]benzoate 460080-87-9, 4'-Amino-3-cyclopentyloxy-4-methoxy-N-[(3-pyridyl)methyl]diphenylamine 460080-90-4, 3-[(3-Cyclopentyloxy-4-methoxyphenyl)((3-pyridyl)methyl)amino]benzonitrile 460080-97-1, 3'-(2-Bromoethoxy)-3-cyclopentyloxy-4-methoxy-N-[(3-pyridyl)methyl]diphenylamine 460080-99-3, N-[(3-Pyridyl)methyl]-3'-(2-(2-phthalimido)ethoxy)-3-cyclopentyloxy-4-methoxydiphenylamine 460082-00-2, 3-[(4-Methoxy-3-[(R)-tetrahydrofuran-3-yl]oxy)phenyl]((3-pyridyl)methyl)amino]benzoic acid 651024-08-7, 3-Cyclopentyloxy-4-methoxy-N-phenyl-N-[(2-chloropyridin-3-yl)methyl]aniline
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of selective phosphodiesterase 4 inhibitors, including ether-functionalized N-substituted aniline and diphenylamine analogs, for cognition enhancement and other uses)

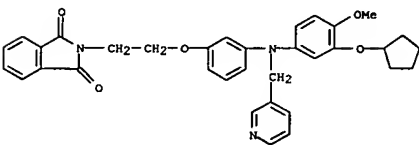
RN 460080-74-4 CAPLUS
 CN Benzoic acid, 3-[(3-(cyclopentyloxy)-4-methoxyphenyl)((3-pyridinylmethyl)amino)-, ethyl ester (9CI) (CA INDEX NAME)



RN 460080-76-6 CAPLUS
 CN Benzoic acid, 2-[(3-(cyclopentyloxy)-4-methoxyphenyl)((3-pyridinylmethyl)amino)-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

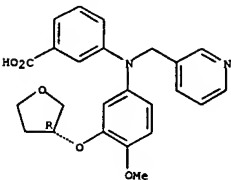


RN 460080-99-3 CAPLUS
 CN 1H-Indole-1,3(2H)-dione, 2-[2-[(3-(cyclopentyloxy)-4-methoxyphenyl)((3-pyridinylmethyl)amino)phenoxy]ethyl]- (9CI) (CA INDEX NAME)

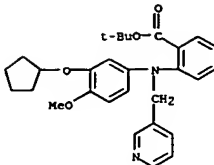


RN 460082-00-2 CAPLUS
 CN Benzoic acid, 3-[(4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy)phenyl]((3-pyridinylmethyl)amino)- (9CI) (CA INDEX NAME)

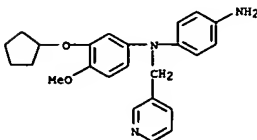
Absolute stereochemistry.



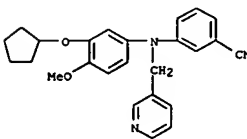
RN 651024-08-7 CAPLUS
 CN 3-Pyridinemethanamine, 2-chloro-N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-phenyl- (9CI) (CA INDEX NAME)



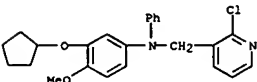
RN 460080-87-9 CAPLUS
 CN 1,4-Benzenediamine, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-(3-pyridinylmethyl)- (9CI) (CA INDEX NAME)



RN 460080-90-4 CAPLUS
 CN Benzonitrile, 3-[(3-(cyclopentyloxy)-4-methoxyphenyl)((3-pyridinylmethyl)amino)- (9CI) (CA INDEX NAME)

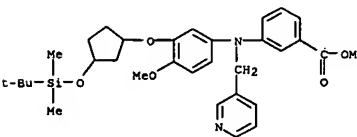


RN 460080-97-1 CAPLUS
 CN 3-Pyridinemethanamine, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-(2-bromoethoxy)phenyl- (9CI) (CA INDEX NAME)



IT 651023-29-9P, Methyl 3-[(3-[(tert-butyl)dimethylsilyl]oxy)cyclopentyloxy]-4-methoxyphenyl]((3-pyridyl)methyl)amino]benzoate
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of selective phosphodiesterase 4 inhibitors, including ether-functionalized N-substituted aniline and diphenylamine analogs, for cognition enhancement and other uses)

RN 651023-29-9 CAPLUS
 CN Benzoic acid, 3-[(3-[(3-[(1,1-dimethylethyl)dimethylsilyl]oxy)cyclopentyl]oxy]-4-methoxyphenyl]((3-pyridinylmethyl)amino)-, methyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

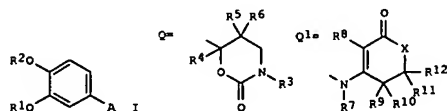
L21 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2004:50056 CAPLUS
DOCUMENT NUMBER: 140:82236
TITLE: Tachykinin Nk1 receptor antagonist containing 6-phenyl-3,4,5,6-tetrahydro-2H-1,3-dioxane-2-one and 3-anilino-2-cyclopenten-1-one derivative
INVENTOR(S): Yamana, Kenshirou; Ina, Shinji
PATENT ASSIGNEE(S): Nikken Chemicals Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: J000AF

DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003160480	A2	20030603	JP 2002-266999	20020912
PRIORITY APPLN. INFO.:			JP 2001-279632	A 20010914

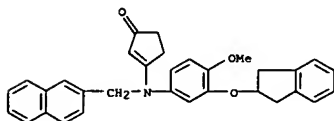
OTHER SOURCE(S): MARPAT 140:82236
GI



AB Disclosed is a Nk1 receptor antagonist containing a 1,2-dihydroxybenzene derivative [I: R1 = C4-8 cycloalkylmethyl, C3-7 cycloalkyl, indanyl; R2 = C1-4 alkyl; A = Q, Q1; wherein R3, R5, R6 = H, Me; R4 = H, C1-4 alkyl; R7 = C7-12 aralkyl, pyridylmethyl; R8-R12 = H, Me; X = (CR13R14)n; wherein R14 = H, Me; n = an integer of 0-2; when n is 0, the carbonyl carbon adjacent to X is directly bonded to the other carbon atom to form a 5-membered ring] or optical isomer thereof, a pharmaceutically acceptable salt, hydrate, or solvate thereof. Six specific compds., i.e.

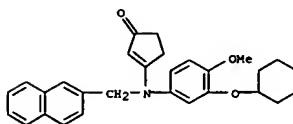
3-[3-cyclopentyloxy-4-methoxy-N-(2-naphthylmethyl)anilino]-2-cyclopenten-1-one, 3-[3-cyclohexyloxy-4-methoxy-N-(2-naphthylmethyl)anilino]-2-cyclopenten-1-one, 3-[3-(2-indanyloxy)-4-methoxy-N-(2-naphthylmethyl)anilino]-2-cyclopenten-1-one, and (±)-, (+)-, and (-)-6-[3-(2-indanyloxy)-4-methoxyphenyl]-6-methyl-3,4,5,6-tetrahydro-2H-1,3-oxazin-2-one (II), are disclosed. The Nk1 receptor antagonist is useful for the prevention and/or treatment of inflammations, asthma, atopic dermatitis, contact dermatitis, urticaria, chronic obstructive lung disease, pain, or vomiting. Also disclosed is a Nk1 receptor antagonist containing a Nk1 receptor antagonist and phosphodiesterase IV (PDE IV) inhibitor which inhibit vomiting by PDE IV inhibition. Thus, racemic (±)-II was separated by a CHIRALPAK AS column using denatured ethanol as the eluent to give (+)- and (-)-II. (+)- And (-)-II in vitro inhibited the binding of [3H]SR140333 to human Nk1 receptor by 33 and 100%, resp.,

L21 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

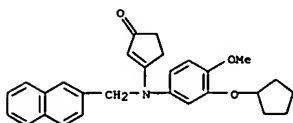


L21 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
at 10 μM. Tablets each contg. 10 mg (-)-II were formulated from 11 30, lactose 253, corn starch 63, hydroxypropyl cellulose 40, and calcium stearate 4 g.
IT 229310-51-4, 3-[3-(3-cyclohexyloxy-4-methoxy-N-(2-naphthylmethyl)anilino)-2-cyclopenten-1-one 229310-56-9,

3-[3-cyclopentyloxy-4-methoxy-N-(2-naphthylmethyl)anilino]-2-cyclopenten-1-one 229310-73-0, 3-[3-(2-indanyloxy)-4-methoxy-N-(2-naphthylmethyl)anilino]-2-cyclopenten-1-one
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(Nk1 receptor antagonist containing 6-phenyl-3,4,5,6-tetrahydro-2H-1,3-dioxane-2-one and 3-anilino-2-cyclopenten-1-one derivative)
RN 229310-51-4 CAPLUS
CN 2-cyclopenten-1-one, 3-[3-(3-cyclohexyloxy)-4-methoxyphenyl] (2-naphthalenylmethyl)amino)- (9CI) (CA INDEX NAME)



RN 229310-56-9 CAPLUS
CN 2-cyclopenten-1-one, 3-[3-(3-cyclopentyloxy)-4-methoxyphenyl] (2-naphthalenylmethyl)amino)- (9CI) (CA INDEX NAME)



RN 229310-73-0 CAPLUS
CN 2-cyclopenten-1-one, 3-[3-[(2,3-dihydro-1H-inden-2-yl)oxy]-4-methoxyphenyl] (2-naphthalenylmethyl)amino)- (9CI) (CA INDEX NAME)

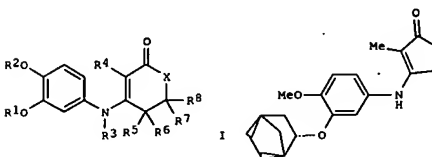
L21 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2003:57887 CAPLUS
DOCUMENT NUMBER: 138:122459
TITLE: Preparation of 3-anilino-2-cycloalkenones for treatment of allergic eye diseases
INVENTOR(S): Ina, Shinji; Takahama, Akane
PATENT ASSIGNEE(S): Nikken Chemicals Co., Ltd., Japan
SOURCE: PCT Int. Appl., 33 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003006000	A1	20030123	WO 2002-JP6912	20020708
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZH, ZW, AM, AZ, BI, BY, BG, BR, CA, CH, CN, CO, CR, CU, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
JP 2003089637	A2	20030328	JP 2002-198758	20020708
EP 1410795	A1	20040421	EP 2002-743854	20020708
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
CN 1525954	A	20040901	CN 2002-813746	20020708
US 2004220227	A1	20041104	US 2004-482976	20040105
PRIORITY APPLN. INFO.:			JP 2001-210239	A 20010711
			WO 2002-JP6912	W 20020708

OTHER SOURCE(S): MARPAT 138:122459
GI

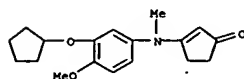


AB The title compds. I [wherein R1 = (un)substituted (cyclo)alkyl, bicycloalkyl, 3-tetrahydrofuryl, or indanyl; R2 = alkyl; R3 = H, (un)substituted (cyclo)alkyl, or acyl; R4 = H, halo, (un)substituted alkyl, or aminomethyl; R5, R6, R7, and R8 = independently H,

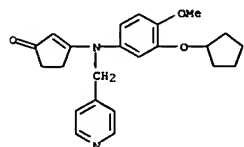
L21 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 (un)substituted alkyl, or Ph; X = (CR11R12)n; R11 and R12 = independently
 H, (un)substituted alkyl, or Ph; n = 0-2; with provisos) and
 stereoisomers, optical isomers, pharmaceutically acceptable salts,
 hydrates, or solvates thereof are prep'd. for the treatment of allergic

eye diseases. For example, (+)-II was isolated from its racemate by HPLC.
 (+)-II showed inhibition ratio of 97% against allergic conjunctivitis in
 rat. Formulations contg. I as an active ingredient are also described.
 IT 205067-27-2P 205067-29-4P 229310-50-3P
 229310-51-4P 229310-56-9P 229310-57-0P
 229310-60-5P 229310-72-9P 229310-73-0P
 229310-75-2P 229310-78-5P 229310-79-6P
 RI: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

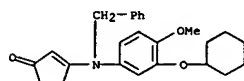
(Preparation of anilinoalkenones for treatment of allergic eye
 diseases)
 RN 205067-27-2 CAPLUS
 CN 2-Cyclopenten-1-one, 3-[[3-(cyclopentyloxy)-4-methoxyphenyl]methylamino]-
 (9CI) (CA INDEX NAME)



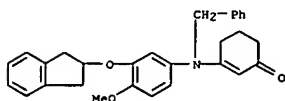
RN 205067-29-4 CAPLUS
 CN 2-Cyclopenten-1-one, 3-[[3-(cyclopentyloxy)-4-methoxyphenyl](4-
 pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)



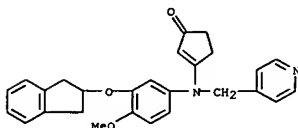
RN 229310-50-3 CAPLUS
 CN 2-Cyclopenten-1-one, 3-[[3-(cyclohexyloxy)-4-methoxyphenyl](phenylmethyl)a-
 mino]- (9CI) (CA INDEX NAME)



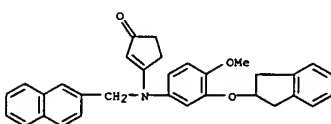
L21 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 229310-72-9 CAPLUS
 CN 2-Cyclopenten-1-one, 3-[[3-[(2,3-dihydro-1H-inden-2-yl)oxy]-4-
 methoxyphenyl](4-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)

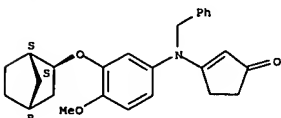


RN 229310-73-0 CAPLUS
 CN 2-Cyclopenten-1-one, 3-[[3-[(2,3-dihydro-1H-inden-2-yl)oxy]-4-
 methoxyphenyl](2-naphthalenylmethyl)amino]- (9CI) (CA INDEX NAME)



RN 229310-75-2 CAPLUS
 CN 2-Cyclopenten-1-one, 3-[[3-[(1R,2R,4S)-bicyclo[2.2.1]hept-2-yloxy]-4-
 methoxyphenyl](phenylmethyl)amino]-, rel- (9CI) (CA INDEX NAME)

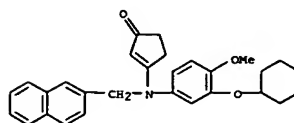
Relative stereochemistry.



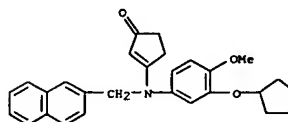
RN 229310-78-5 CAPLUS

L21 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

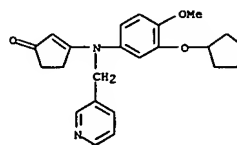
RN 229310-51-4 CAPLUS
 CN 2-Cyclopenten-1-one, 3-[[3-(cyclohexyloxy)-4-methoxyphenyl](2-
 naphthalenylmethyl)amino]- (9CI) (CA INDEX NAME)



RN 229310-56-9 CAPLUS
 CN 2-Cyclopenten-1-one, 3-[[3-(cyclopentyloxy)-4-methoxyphenyl](2-
 naphthalenylmethyl)amino]- (9CI) (CA INDEX NAME)



RN 229310-57-0 CAPLUS
 CN 2-Cyclopenten-1-one, 3-[[3-(cyclopentyloxy)-4-methoxyphenyl](3-
 pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)

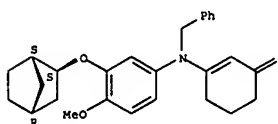


RN 229310-60-5 CAPLUS
 CN 2-Cyclohexen-1-one, 3-[[3-[(2,3-dihydro-1H-inden-2-yl)oxy]-4-
 methoxyphenyl](phenylmethyl)amino]- (9CI) (CA INDEX NAME)

L21 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

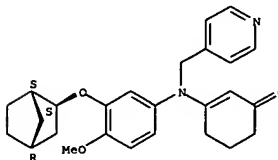
CN 2-Cyclohexen-1-one, 3-[[3-[(1R,2R,4S)-bicyclo[2.2.1]hept-2-yloxy]-4-
 methoxyphenyl](phenylmethyl)amino]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 229310-79-6 CAPLUS
 CN 2-Cyclohexen-1-one, 3-[[3-[(1R,2R,4S)-bicyclo[2.2.1]hept-2-yloxy]-4-
 methoxyphenyl](4-pyridinylmethyl)amino]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT

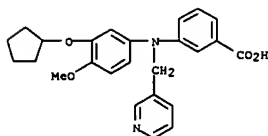
L21 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2005 ACS ON STN
ACCESSION NUMBER: 2002:736215 CAPLUS
DOCUMENT NUMBER: 137:247488
TITLE: Preparation of C-organooxy- and N-substituted aniline and diphenylamine analogs as phosphodiesterase 4 inhibitors useful for enhancing cognition
INVENTOR(S): Hopper, Allen; Schumacher, Richard A.; Tehin, Ashok; De Vivo, Michael; Brubaker, William Frederick, Jr.; Liu, Ruiping; Hess, Hans-Juergen Ernst; Unterbeck, Axel
PATENT ASSIGNEE(S): Memory Pharmaceuticals Corporation, USA
SOURCE: Patent
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002074726	A2	20020926	WO 2002-US1508	20020122
WO 2002074726	A3	20030313		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GR, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CH, CN, CO, GM, GW, ML, MR, NE, SN, TD, TG			
CA 2435847	AA	20020926	CA 2002-2435847	20020122
US 2002151566	A1	20021017	US 2002-51309	20020122
US 6699890	B2	20040302		
EP 1353907	A2	20031022	EP 2002-731078	20020122
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
EE 200300347	A	20031215	EE 2003-347	20020122
CN 1498211	A	20040519	CN 2002-807010	20020122
JP 2005507365	T2	20050317	JP 2002-573735	20020122
US 2003149052	A1	20030807	US 2003-361634	20030211
BG 108003	A	20040930	BG 2003-108003	20030718
NO 200303288	A	20030922	NO 2003-3288	20030721
ZA 2003005623	A	20041117	ZA 2003-5623	20030721
US 2004230072	A1	20041118	US 2004-754600	20040112
PRIORITY APPLN. INFO.:			US 2001-262651P	P 20010122
			US 2001-267196P	P 20010208
			US 2001-306140P	P 20010719
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			US 2002-51309	A3 20020122
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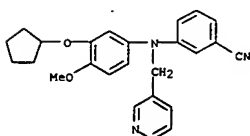
OTHER SOURCE(S): MARPAT 137:247488

L21 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
AB Phosphodiesterase 4 (PDE4) inhibition is achieved by novel compds., 4-RIO-3-R2OC6H3NR3R4 (1, e.g., N-substituted aniline and diphenylamine analogs; e.g., 3-cyclopentyl-4'-ethoxy-4-methoxy-N-(3-pyridylmethyl)diphenylamine). In 1, R1 is C1-4 alkyl unsubstituted or substituted one or more times by halogen. R2 is C1-12 alkyl, wherein optionally one or more -CH2CH2- groups is replaced in each case by -CH=CH- or -C≡C-. C3-10 cycloalkyl, C4-16 cycloalkylalkyl, C6-14 aryl, arylalkyl with C6-14 aryl and C1-5 alkyl, a partially unsatd. C5-14 carbocyclic group, a C5-10 heterocyclic group, which is saturated, partially saturated or unsatd., in which at least 1 ring atom is a N, O or S atom, or a heterocycloalkyl group with a C5-10 heterocyclic portion that is saturated, partially saturated or unsatd., in which at least 1 ring atom is a N, O or S atom, and a C1-5 alkyl portion. R3 is H, C1-8 (preferably C1-4) alkyl, a partially unsatd. carbocycle-alkyl group with a C5-14 carbocyclic portion and a C1-5 alkyl portion, C7-19 arylalkyl with C6-14 aryl and C1-5 alkyl, or heteroarylalkyl with C5-10 heteroaryl having at least 1 ring atom N, O or S atom and with C1-5 alkyl. R4 is H, C6-14 aryl or heteroaryl having to 10 ring atoms in which at least 1 ring atom is a heteroatom. Addnl. restrictions on the values of R1-R4 are given in the claims. The amesic effect of MK-801 on working memory in rats (radial arm maze task) is reversed in a statistically significant manner by the administration of actual test compds. in a dose-dependent fashion [e.g., 3-cyclopentyl-4-methoxy-N-(3-pyridylmethyl)diphenylamine, ED = 2.5 mg/kg, i.p.; p<0.01]. The amesic effect of MK-801 on rats in a passive avoidance experiment is reversed in a statistically significant manner by actual test compds. in a dose-dependent fashion [e.g., 3-cyclopentyl-4-methoxy-N-(3-pyridylmethyl)diphenylamine, ED range = 0.5 to 2.5 mg/kg, i.p.; and N-(3-cyclopentyl-4-methoxyphenyl)-N-(3-pyridylmethyl)-3-aminobenzoic acid, ED range = 0.1 to 2.5 mg/kg, i.p.]. Although the methods of preparation are not claimed, approx.20 example preps. are included and hundreds of compds. are listed in the claims.
IT 460080-73-3P, N-(3-Cyclopentyl-4-methoxyphenyl)-N-(3-pyridylmethyl)-3-aminobenzoic acid 460080-90-4P
460080-97-1P, 3'-(2-Bromoethoxy)-3-cyclopentyl-4-methoxy-N-(3-pyridylmethyl)diphenylamine
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(intermediate; preparation of C-organooxy- and N-substituted aniline and diphenylamine analogs as phosphodiesterase 4 inhibitors useful for enhancing cognition)
RN 460080-73-3 CAPLUS
CN Benzoic acid, 3-[(3-cyclopentyl-4-methoxyphenyl)(3-pyridylmethyl)amino]- (9CI) (CA INDEX NAME)

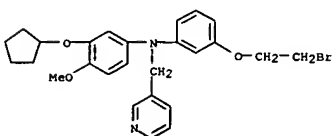
L21 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



RN 460080-90-4 CAPLUS
CN Benzonitrile, 3-[(3-cyclopentyl-4-methoxyphenyl)(3-pyridylmethyl)amino]- (9CI) (CA INDEX NAME)



RN 460080-97-1 CAPLUS
CN 3-Pyridinemethanamine, N-(3-(2-bromoethoxy)phenyl)-N-(3-cyclopentyl-4-methoxyphenyl)- (9CI) (CA INDEX NAME)



IT 460080-72-2P, 3-Cyclopentyl-4-methoxy-N-(3-pyridylmethyl)diphenylamine 460080-75-5P, N-(3-Cyclopentyl-4-methoxyphenyl)-N-(3-pyridylmethyl)-2-aminobenzoic acid 460080-81-3P, 3-Cyclopentyl-4-methoxy-N-methyl-diphenylamine 460080-85-7P, 460080-86-8P, 3-Cyclopentyl-4-methoxy-N-methanesulfonylamine 460080-4-methoxy-N-(3-pyridylmethyl)diphenylamine 460080-88-0P, 3-Cyclopentyl-4-methoxy-3'-hydroxymethyl-N-(3-pyridylmethyl)diphenylamine 460080-89-1P, 3-Cyclopentyl-4-methoxy-N-(3-pyridylmethyl)-4'-((2H-tetrazol-5-yl)diphenylamine 460080-91-5P, 3-Cyclopentyl-4-methoxy-4'-((4-methyl-1-piperazinylmethyl)-N-(3-pyridylmethyl)diphenylamine 460080-93-7P, 3'-Aminomethyl-3-cyclopentyl-4-methoxy-N-(3-

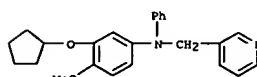
L21 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
pyridylmethyl)diphenylamine 460080-96-0P, 3-Cyclopentyl-4-methoxy-3'-(2-(1-piperidinyl)ethoxy)-N-(3-pyridylmethyl)diphenylamine 460080-98-2P, 4'-(2-Aminoethoxy)-3-cyclopentyl-4-methoxy-N-(3-pyridylmethyl)diphenylamine 460081-00-9P, 3-Cyclopentyl-4-methoxy-4'-ethyl-4-methoxy-N-(3-pyridylmethyl)diphenylamine 460081-01-0P, 3-Cyclopentyl-4-methoxy-3'-4-dimethoxy-N-(3-pyridylmethyl)diphenylamine 460081-02-1P, 3-Cyclopentyl-4-methoxy-N-(3-pyridylmethyl)-3'-trifluoromethyl-diphenylamine 460081-03-2P, 3-Cyclopentyl-4-methoxy-3'-fluoro-4-methoxy-N-(3-pyridylmethyl)diphenylamine 460081-04-3P, 3-Cyclopentyl-4'-fluoro-4-methoxy-N-(3-pyridylmethyl)diphenylamine 460081-05-4P, 3-Cyclopentyl-4-methoxy-3'-phenyl-N-(3-pyridylmethyl)diphenylamine 460081-06-5P, 4'-Cyano-3-cyclopentyl-4-methoxy-N-(3-pyridylmethyl)diphenylamine 460081-07-6P, 3-Cyclopentyl-4-methoxy-3'-nitro-N-(3-pyridylmethyl)diphenylamine 460081-08-7P, 4'-Chloro-3-cyclopentyl-4-methoxy-N-(3-pyridylmethyl)-3'-trifluoromethyl-diphenylamine 460081-09-8P, 4-Methoxy-3'-methyl-N-(3-pyridylmethyl)-3-(3-tetrahydrofuryloxy)diphenylamine 460081-10-1P, 3-Cyclopentyl-4-difluoromethoxy-N-(3-pyridylmethyl)diphenylamine 460081-13-4P, 3'-Benzylsulfonylamine-3-cyclopentyl-4-methoxy-N-(3-pyridylmethyl)diphenylamine 460081-17-8P, 3-Cyclopentyl-4'-((2-methoxyethoxy)-4-methoxy-N-(3-pyridylmethyl)diphenylamine 460081-19-0P, 3-Cyclopentyl-4-methoxy-N-(3-pyridylmethyl)-4'-((3R)-tetrahydrofuran-2-yl)diphenylamine 460081-21-4P, 3-Cyclopentyl-4-methoxy-4'-((1-methylpiperidin-4-yl)-N-(3-pyridylmethyl)diphenylamine 460081-23-6P, 3-Cyclopentyl-4-methoxy-4'-((1-methylpyrrolidin-3-yl)-N-(3-pyridylmethyl)diphenylamine 460081-25-8P, 3-Cyclopentyl-4-methoxy-4'-((2-(1-pyrrolidinyl)ethoxy)-N-(3-pyridylmethyl)diphenylamine 460081-27-0P, 3-Cyclopentyl-4-methoxy-4'-((6-methyl-2-pyridyl)methoxy)-N-(3-pyridylmethyl)diphenylamine 460081-29-2P, 3-Cyclopentyl-4-methoxy-4'-((1-methyl-2-piperidinyl)methoxy)-N-(3-pyridylmethyl)diphenylamine 460081-30-5P, 3-Cyclopentyl-4-methoxy-3'-(2-imidazolyl)ethoxy-4-methoxy-N-(3-pyridylmethyl)diphenylamine 460081-32-7P, 3-Cyclopentyl-4-methoxy-4'-((3-(2-methylpiperazin-4-yl)propoxy)-N-(3-pyridylmethyl)diphenylamine 460081-34-9P, 3-Cyclopentyl-4-methoxy-4'-((3-(2-(morpholin-4-yl)ethyl)amino)propoxy)-N-(3-pyridylmethyl)diphenylamine 460081-39-4P, 3-Cyclopentyl-4-methoxy-4'-((2-(methylsulfonyl)amino)ethoxy)-4-methoxy-N-(3-pyridylmethyl)diphenylamine 460081-40-7P, 4'-((2-Butanesulfonyl)amino)ethoxy-3-cyclopentyl-4-methoxy-N-(3-pyridylmethyl)diphenylamine 460081-41-8P, 3-Cyclopentyl-4-methoxy-3'-methyl-N-(3-pyridylmethyl)diphenylamine 460081-43-0P, 3-Cyclopentyl-4-methoxy-4'-methyl-N-(3-pyridylmethyl)diphenylamine 460081-45-2P, 3-Cyclopentyl-4-methoxy-4'-nitro-N-(3-pyridylmethyl)diphenylamine 460081-47-4P, 3-Cyclopentyl-4-methoxy-3',4'-dichloro-4-methoxy-N-(3-pyridylmethyl)diphenylamine 460081-48-5P, 3'-Chloro-3-cyclopentyl-4'-fluoro-4-methoxy-N-(3-pyridylmethyl)diphenylamine 460081-49-6P, 3-Cyclopentyl-4-methoxy-N-(2,6-dichloro-4-pyridylmethyl)-4-methoxydiphenylamine 460081-50-9P, 4-Methoxy-4'-methyl-N-(3-pyridylmethyl)-3-(3-tetrahydrofuryloxy)diphenylamine 460081-51-0P, 4,4'-Dimethoxy-N-(3-pyridylmethyl)-3-(3-tetrahydrofuryloxy)diphenylamine 460081-52-1P, 3-Indanyloxy-4-methoxy-N-(3-pyridylmethyl)diphenylamine 460081-58-7P, 3-Cyclopentyl-4-methoxy-3'-(4-methylpiperazin-1-ylcarbonyl)-N-(3-pyridylmethyl)diphenylamine 460081-59-8P, 3-Cyclopentyl-4-difluoromethoxy-4'-((4-methylpiperazin-1-ylcarbonyl)-N-(3-pyridylmethyl)diphenylamine 460081-60-1P, 4-Methoxy-4'-((4-

L21 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
 methylpiperazin-1-ylcarbonyl)-N-(3-pyridylmethyl)-3-(3-tetrahydrofuryloxy)diphenylamine 460081-61-2P,
 3'-(1-Butanesulfonylamino)-3-cyclopentyl-4-methoxy-N-(3-pyridylmethyl)diphenylamine 460081-62-3P, 3'-Acetamido-3-cyclopentyl-4-methoxy-N-(3-pyridylmethyl)diphenylamine 460081-63-4P, 4-Methoxy-N-(3-pyridylmethyl)-3-(3-tetrahydrofuryloxy)diphenylamine 460081-68-9P,
 4-Methoxy-N-(3-pyridylmethyl)-3-((3S)-tetrahydrofuryloxy)diphenylamine 460081-71-4P, 3-Cyclopentyl-3'-hydroxy-4-methoxy-N-(3-pyridylmethyl)diphenylamine 460081-72-5P, 3-Cyclopentyl-4'-hydroxy-4-methoxy-N-(3-pyridylmethyl)diphenylamine 460081-73-6P
 460081-74-7P, 3-Cyclopentyl-4-methoxy-4'-((2-(1-methylpyrrolidin-2-yl)ethoxy)-N-(3-pyridylmethyl)diphenylamine 460081-75-8P,
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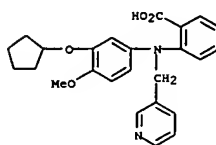
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 3'-Chloro-4-difluoromethoxy-N-(3-pyridylmethyl)-3-((3R)-tetrahydrofuryloxy)diphenylamine 460081-95-2P,
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L21 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
 3-Cyclopentyl-4-methoxy-4'-((1-propanesulfonylamino)-N-(3-pyridylmethyl)diphenylamine 460082-23-9P, 4-Difluoromethoxy-3'-ethanesulfonylamino-N-(3-pyridylmethyl)-3-((3R)-tetrahydrofuryloxy)diphenylamine 460082-25-1P,
 4-Methoxy-N-(3-pyridylmethyl)-3-((3R)-tetrahydrofuryloxy)diphenylamine 460082-27-3P, 3'-Chloro-4-methoxy-N-(3-pyridylmethyl)-3-((3R)-tetrahydrofuryloxy)diphenylamine 460082-28-4P,
 3-Cyclopentyl-4-methoxy-4'-((5-oxo-2-pyrrolidinyl)methoxy)-N-(3-pyridylmethyl)diphenylamine 460082-34-2P, 4'-((1-(3-Bromopropyl)oxy)-3-cyclopentyl-4-methoxy-N-(3-pyridylmethyl)diphenylamine 460082-35-3P, 4-Hydroxy-3-cyclopentyl-4-methoxy-N-(3-pyridylmethyl)diphenylamine 460083-16-3P,
 3-Cyclopentyl-4-methoxy-4'-((2-(2-propanesulfonylamino)ethoxy)-N-(3-pyridylmethyl)diphenylamine
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of C-organooxy- and N-substituted aniline and diphenylamine analogs as phosphodiesterase 4 inhibitors useful for enhancing cognition)
 RN 460080-72-2 CAPLUS
 CN 3-Pyridinemethanamine, N-[3-(cyclopentyl-4-methoxyphenyl)-N-phenyl- (9CI) (CA INDEX NAME)]

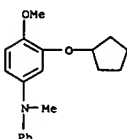


RN 460080-75-5 CAPLUS
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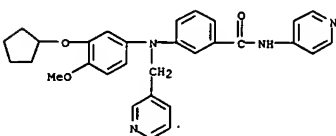


RN 460080-81-3 CAPLUS
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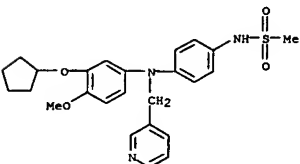
L21 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



RN 460080-85-7 CAPLUS
 CN Benzenamide, 3-[[3-(cyclopentyl-4-methoxyphenyl)](3-pyridylmethyl)amino]-N-4-pyridyl- (9CI) (CA INDEX NAME)]

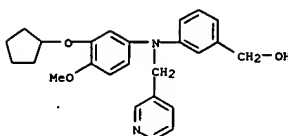


RN 460080-86-8 CAPLUS
 CN Methanesulfonamide, N-[4-[[3-(cyclopentyl-4-methoxyphenyl)](3-pyridylmethyl)amino]phenyl]- (9CI) (CA INDEX NAME)]

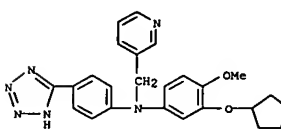


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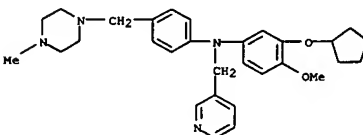
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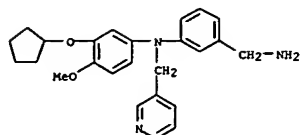
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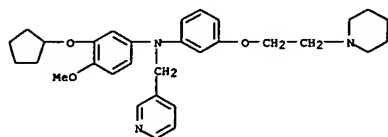
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 CN 3-Pyridinemethanamine, N-[3-(cyclopentyl-4-methoxyphenyl)-N-(4-((4-methyl-1-piperazinyl)methyl)phenyl)- (9CI) (CA INDEX NAME)]



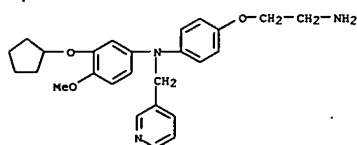
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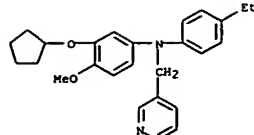
RN 460080-96-0 CAPLUS
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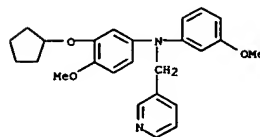
RN 460080-98-2 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-[4-(2-aminoethoxy)phenyl]- (9CI) (CA INDEX NAME)



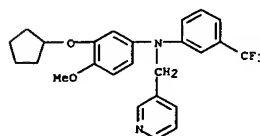
RN 460081-00-9 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-(4-ethylphenyl)- (9CI) (CA INDEX NAME)



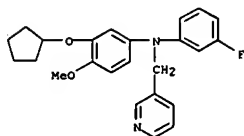
RN 460081-01-0 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-(3-methoxyphenyl)- (9CI) (CA INDEX NAME)



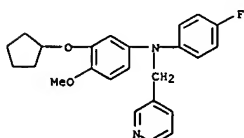
RN 460081-02-1 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



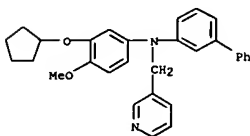
RN 460081-03-2 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-(3-fluorophenyl)- (9CI) (CA INDEX NAME)



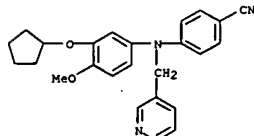
RN 460081-04-3 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-(4-fluorophenyl)- (9CI) (CA INDEX NAME)



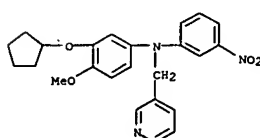
RN 460081-05-4 CAPLUS
CN 3-Pyridinemethanamine, N-[1,1'-biphenyl]-3-yl-N-[3-(cyclopentyloxy)-4-methoxyphenyl]- (9CI) (CA INDEX NAME)



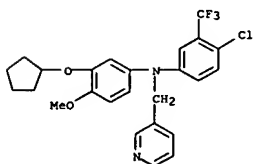
RN 460081-06-5 CAPLUS
CN Benzonitrile, 4-[[3-(cyclopentyloxy)-4-methoxyphenyl](3-pyridinyl)methyl]amino)- (9CI) (CA INDEX NAME)



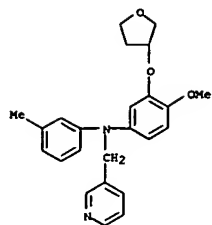
RN 460081-07-6 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



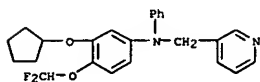
RN 460081-08-7 CAPLUS
CN 3-Pyridinemethanamine, N-[4-chloro-3-(trifluoromethyl)phenyl]-N-[3-(cyclopentyloxy)-4-methoxyphenyl]- (9CI) (CA INDEX NAME)



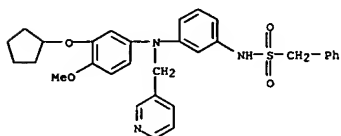
RN 460081-09-8 CAPLUS
CN 3-Pyridinemethanamine, N-[4-methoxy-3-[(tetrahydro-3-furanyl)oxy]phenyl]-N-(3-methylphenyl)- (9CI) (CA INDEX NAME)



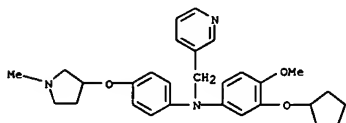
RN 460081-10-1 CAPLUS
CN 3-Pyridinemethanamine,
N-[3-(cyclopentyloxy)-4-(difluoromethoxy)phenyl]-N-
phenyl- (9CI) (CA INDEX NAME)



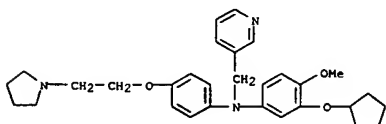
RN 460081-13-4 CAPLUS
CN Benzenemethanesulfonamide, N-[3-([3-(cyclopentyloxy)-4-methoxyphenyl](3-
pyridinylmethyl)amino)phenyl]- (9CI) (CA INDEX NAME)



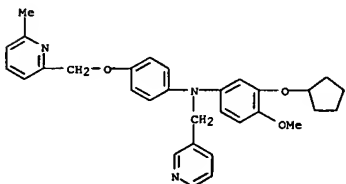
RN 460081-17-8 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-[4-(2-
methoxyethoxy)phenyl]- (9CI) (CA INDEX NAME)



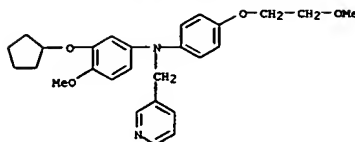
RN 460081-25-8 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-[4-[2-(1-
pyrrolidinyl)ethoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 460081-27-0 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-[4-[(6-
methyl-2-pyridinyl)methoxy]phenyl]- (9CI) (CA INDEX NAME)

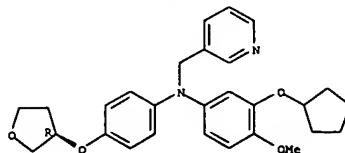


RN 460081-29-2 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-[4-[(1-
methyl-2-piperidinyl)methoxy]phenyl]- (9CI) (CA INDEX NAME)

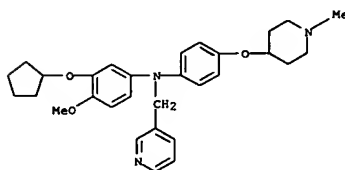


RN 460081-19-0 CAPLUS
CN 3-Pyridinemethanamine,
N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-[4-[(3R)-
tetrahydro-3-furanyl]oxy]phenyl]- (9CI) (CA INDEX NAME)

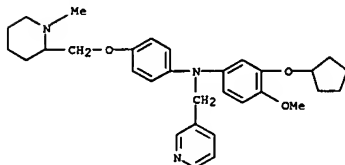
Absolute stereochemistry.



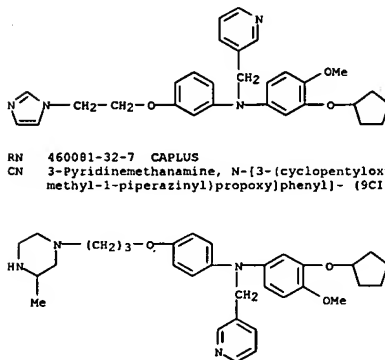
RN 460081-21-4 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-[4-[(1-
methyl-4-piperidinyl)oxy]phenyl]- (9CI) (CA INDEX NAME)



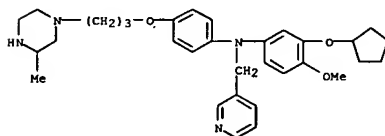
RN 460081-23-6 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-[4-[(1-
methyl-3-pyrrolidinyl)oxy]phenyl]- (9CI) (CA INDEX NAME)



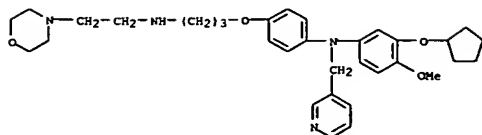
RN 460081-30-5 CAPLUS
CN 3-Pyridinemethanamine,
N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-[3-[2-(1H-
imidazol-1-yl)ethoxy]phenyl]- (9CI) (CA INDEX NAME)



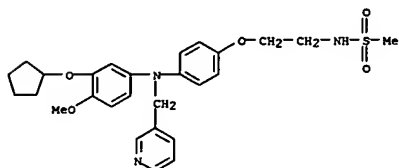
RN 460081-32-7 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-[4-[3-(3-
methyl-1-piperazinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



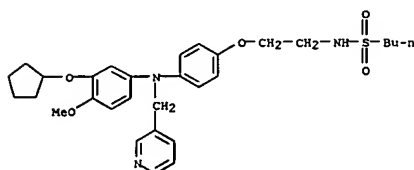
RN 460081-34-9 CAPLUS
CN 4-Morpholineethanamine, N-[3-[4-[(3-(cyclopentyloxy)-4-methoxyphenyl](3-
pyridinylmethyl)amino)phenoxy]propyl]- (9CI) (CA INDEX NAME)



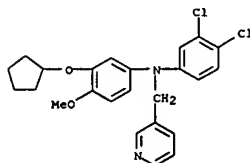
RN 460081-39-4 CAPLUS
CN Methanesulfonamide, N-[2-[[3-(cyclopentyloxy)-4-methoxyphenyl](3-pyridinylmethyl)amino]phenoxy]ethyl]- (9CI) (CA INDEX NAME)



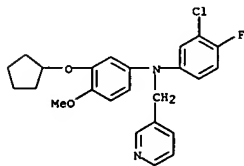
RN 460081-40-7 CAPLUS
CN 1-Butanesulfonamide, N-[2-[[3-(cyclopentyloxy)-4-methoxyphenyl](3-pyridinylmethyl)amino]phenoxy]ethyl]- (9CI) (CA INDEX NAME)



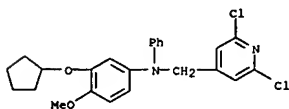
RN 460081-41-8 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-(3-methylphenyl)- (9CI) (CA INDEX NAME)



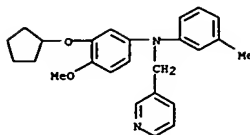
RN 460081-48-5 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(3-chloro-4-fluorophenyl)-N-[3-(cyclopentyloxy)-4-methoxyphenyl]- (9CI) (CA INDEX NAME)



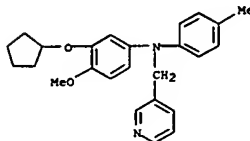
RN 460081-49-6 CAPLUS
CN 4-Pyridinemethanamine, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-phenyl]- (9CI) (CA INDEX NAME)



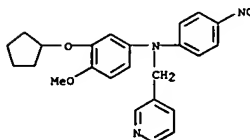
RN 460081-50-9 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-[4-methoxy-3-((tetrahydro-3-furanyl)oxy)phenyl]- (9CI) (CA INDEX NAME)



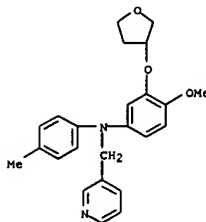
RN 460081-43-0 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-(4-methylphenyl)- (9CI) (CA INDEX NAME)



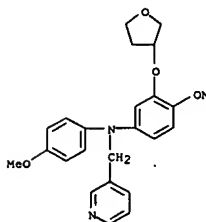
RN 460081-45-2 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-(4-nitrophenyl)- (9CI) (CA INDEX NAME)



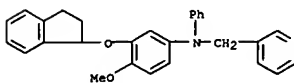
RN 460081-47-4 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-(3,4-dichlorophenyl)- (9CI) (CA INDEX NAME)



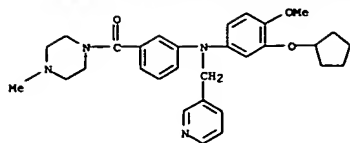
RN 460081-51-0 CAPLUS
CN 3-Pyridinemethanamine, N-[4-methoxyphenyl]-N-[4-methoxy-3-((tetrahydro-3-furanyl)oxy)phenyl]- (9CI) (CA INDEX NAME)



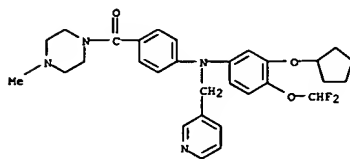
RN 460081-52-1 CAPLUS
CN 3-Pyridinemethanamine, N-[3-((2,3-dihydro-1H-inden-1-yl)oxy)-4-methoxyphenyl]-N-phenyl]- (9CI) (CA INDEX NAME)



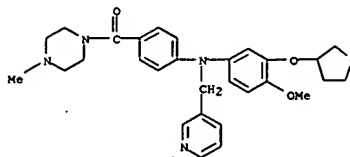
RN 460081-58-7 CAPLUS
CN Piperazine, 1-[3-[[3-(cyclopentyloxy)-4-methoxyphenyl](3-pyridinylmethyl)amino]benzoyl]-4-methyl- (9CI) (CA INDEX NAME)



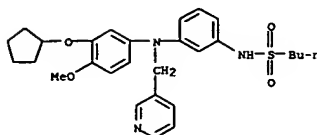
RN 460081-59-8 CAPLUS
CN Piperazine, 1-[4-[[3-(cyclopentyloxy)-4-(difluoromethoxy)phenyl]-(3-pyridinylmethyl)amino]benzoyl]-4-methyl- (9CI) (CA INDEX NAME)



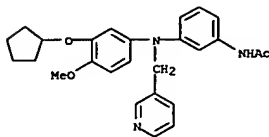
RN 460081-60-1 CAPLUS
CN Piperazine, 1-[4-[[4-methoxy-3-[(tetrahydro-3-furanyl)oxy]phenyl]-(3-pyridinylmethyl)amino]benzoyl]-4-methyl- (9CI) (CA INDEX NAME)



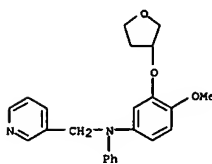
RN 460081-61-2 CAPLUS
CN 1-Butanesulfonamide, N-[3-[[3-(cyclopentyloxy)-4-methoxyphenyl]-(3-pyridinylmethyl)amino]phenyl]- (9CI) (CA INDEX NAME)



RN 460081-62-3 CAPLUS
CN Acetamide, N-[3-[[3-(cyclopentyloxy)-4-methoxyphenyl]-(3-pyridinylmethyl)amino]phenyl]- (9CI) (CA INDEX NAME)

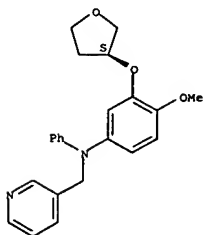


RN 460081-63-4 CAPLUS
CN 3-Pyridinemethanamine, N-[4-methoxy-3-[(tetrahydro-3-furanyl)oxy]phenyl]-N-phenyl- (9CI) (CA INDEX NAME)

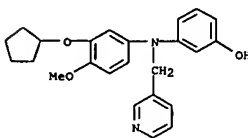


RN 460081-68-9 CAPLUS
CN 3-Pyridinemethanamine, N-[4-methoxy-3-[(3S)-tetrahydro-3-furanyl]oxy]phenyl]-N-phenyl- (9CI) (CA INDEX NAME)

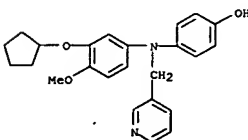
Absolute stereochemistry.



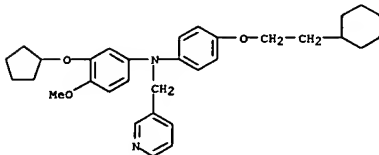
RN 460081-71-4 CAPLUS
CN Phenol, 3-[[3-(cyclopentyloxy)-4-methoxyphenyl]-(3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)



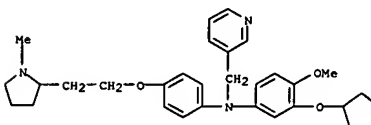
RN 460081-72-5 CAPLUS
CN Phenol, 4-[[3-(cyclopentyloxy)-4-methoxyphenyl]-(3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)



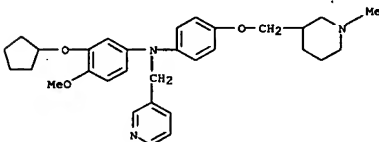
RN 460081-73-6 CAPLUS
CN 3-Pyridinemethanamine, N-[4-(2-cyclohexylethoxy)phenyl]-N-[3-(cyclopentyloxy)-4-methoxyphenyl]- (9CI) (CA INDEX NAME)



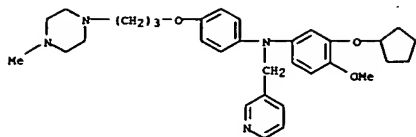
RN 460081-74-7 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-[4-(2-(1-methyl-2-pyrrolidinyl)ethoxy)phenyl]- (9CI) (CA INDEX NAME)



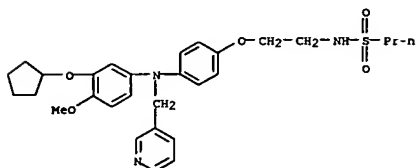
RN 460081-75-8 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-[4-[(1-methyl-3-piperidinyl)methoxy]phenyl]- (9CI) (CA INDEX NAME)



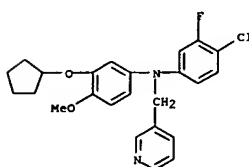
RN 460081-76-9 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-[4-(3-(4-methyl-1-piperazinyl)propoxy)phenyl]- (9CI) (CA INDEX NAME)



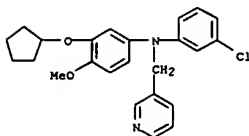
RN 460081-78-1 CAPLUS
CN 1-Propanesulfonamide, N-[2-[[3-(cyclopentyloxy)-4-methoxyphenyl](3-pyridinylmethyl)amino]phenoxy]ethyl]- (9CI) (CA INDEX NAME)



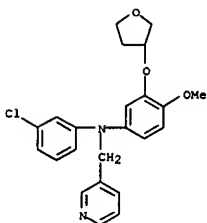
RN 460081-79-2 CAPLUS
CN 3-Pyridinemethanamine, N-(4-chloro-3-fluorophenyl)-N-[3-(cyclopentyloxy)-4-methoxyphenyl]- (9CI) (CA INDEX NAME)



RN 460081-81-6 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-[4-(2-(tetrahydro-2H-pyran-2-yl)-2H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)

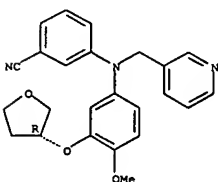


RN 460081-88-3 CAPLUS
CN 3-Pyridinemethanamine, N-(3-chlorophenyl)-N-[4-methoxy-3-[(tetrahydro-3-furanyl)oxy]phenyl]- (9CI) (CA INDEX NAME)

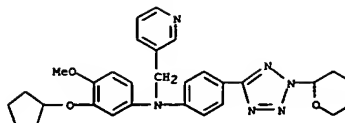


RN 460081-89-4 CAPLUS
CN Benzonitrile, 3-[[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)

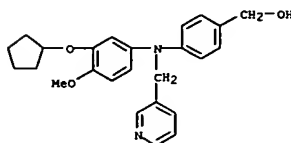
Absolute stereochemistry.



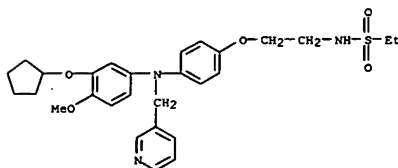
RN 460081-90-7 CAPLUS
CN 3-Pyridinemethanamine, N-[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl]-N-phenyl- (9CI) (CA INDEX NAME)



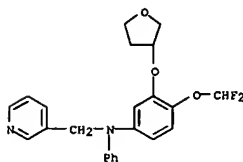
RN 460081-82-7 CAPLUS
CN Benzenemethanol, 4-[[3-(cyclopentyloxy)-4-methoxyphenyl](3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)



RN 460081-86-1 CAPLUS
CN Ethanesulfonamide, N-[2-[[3-(cyclopentyloxy)-4-methoxyphenyl](3-pyridinylmethyl)amino]phenoxy]ethyl]- (9CI) (CA INDEX NAME)

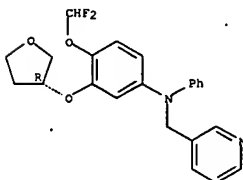


RN 460081-87-2 CAPLUS
CN 3-Pyridinemethanamine, N-(3-chlorophenyl)-N-[3-(cyclopentyloxy)-4-methoxyphenyl]- (9CI) (CA INDEX NAME)



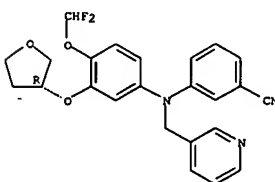
RN 460081-92-9 CAPLUS
CN 3-Pyridinemethanamine, N-[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl]-N-phenyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



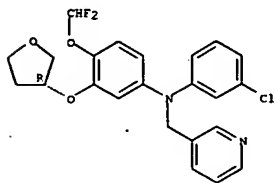
RN 460081-93-0 CAPLUS
CN Benzonitrile, 3-[[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

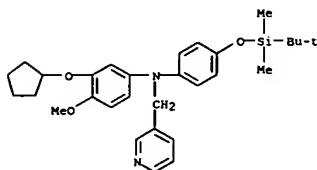


RN 460081-94-1 CAPLUS
CN 3-Pyridinemethanamine, N-(3-chlorophenyl)-N-[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl]- (9CI) (CA INDEX NAME)

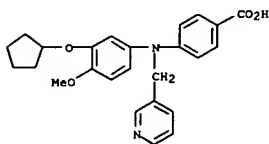
Absolute stereochemistry.



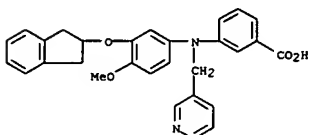
RN 460081-95-2 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopentylmethoxy)-4-methoxyphenyl]-N-[4-[(1,1-dimethylethyl)dimethylsilyl]oxy]phenyl]- (9CI) (CA INDEX NAME)



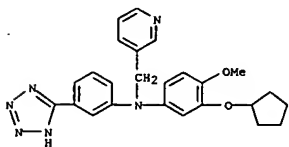
RN 460081-96-3 CAPLUS
CN Benzoic acid, 4-[(3-(cyclopentylmethoxy)-4-methoxyphenyl)(3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)



RN 460081-97-4 CAPLUS
CN Benzoic acid, 3-[(3-(cyclopentylmethoxy)-4-(difluoromethoxy)phenyl)(3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)

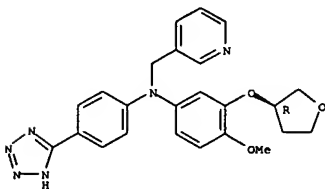


RN 460082-08-0 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopentylmethoxy)-4-methoxyphenyl]-N-[3-(1H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)



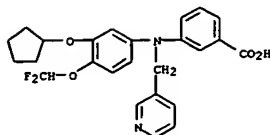
RN 460082-09-1 CAPLUS
CN 3-Pyridinemethanamine, N-[4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl]-N-[4-(1H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

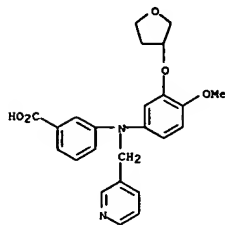


RN 460082-11-5 CAPLUS
CN 3-Pyridinemethanamine, N-[4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl]-N-[4-(1H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

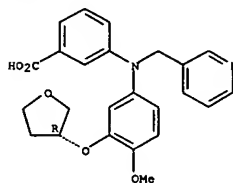


RN 460081-98-5 CAPLUS
CN Benzoic acid, 3-[(4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl)(3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)

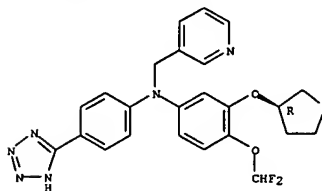


RN 460082-00-2 CAPLUS
CN Benzoic acid, 3-[(4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl)(3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)

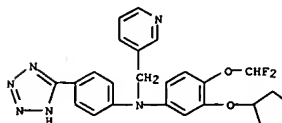
Absolute stereochemistry.



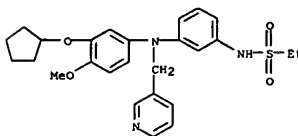
RN 460082-06-8 CAPLUS
CN Benzoic acid, 3-[(3-[(2,3-dihydro-1H-inden-2-yl)oxy]-4-methoxyphenyl)(3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)



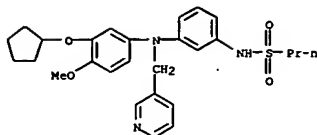
RN 460082-12-6 CAPLUS
CN 3-Pyridinemethanamine, N-[3-(cyclopentylmethoxy)-4-(difluoromethoxy)phenyl]-N-[4-(1H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)



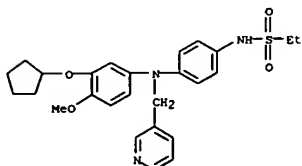
RN 460082-18-2 CAPLUS
CN Ethanesulfonamide, N-[3-[(3-(cyclopentylmethoxy)-4-methoxyphenyl)(3-pyridinylmethyl)amino]phenyl]- (9CI) (CA INDEX NAME)



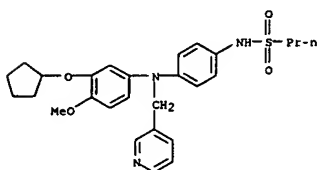
RN 460082-19-3 CAPLUS
CN 1-Propanesulfonamide, N-[3-[(3-(cyclopentylmethoxy)-4-methoxyphenyl)(3-pyridinylmethyl)amino]phenyl]- (9CI) (CA INDEX NAME)



RN 460082-20-6 CAPLUS
CN Ethanesulfonamide, N-([4-([3-(cyclopentyloxy)-4-methoxyphenyl](3-pyridinylmethyl)amino)phenyl]- (9CI) (CA INDEX NAME)

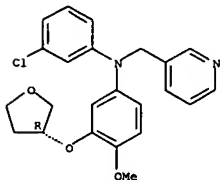


RN 460082-21-7 CAPLUS
CN 1-Propanesulfonamide, N-([4-([3-(cyclopentyloxy)-4-methoxyphenyl](3-pyridinylmethyl)amino)phenyl]- (9CI) (CA INDEX NAME)

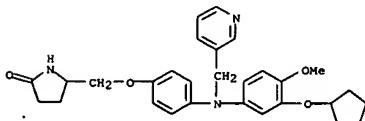


RN 460082-23-9 CAPLUS
CN Ethanesulfonamide, N-([3-([4-(difluoromethoxy)-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl](3-pyridinylmethyl)amino)phenyl]- (9CI) (CA INDEX NAME)

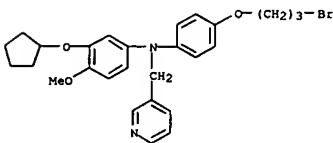
Absolute stereochemistry.



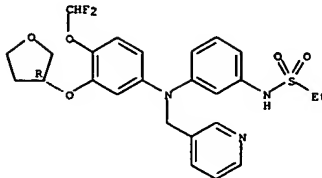
RN 460082-28-4 CAPLUS
CN 2-Pyrrolidinone, 5-([4-([3-(cyclopentyloxy)-4-methoxyphenyl](3-pyridinylmethyl)amino)phenoxy]methyl)- (9CI) (CA INDEX NAME)



RN 460082-34-2 CAPLUS
CN 3-Pyridinemethanamine, N-([4-(3-bromopropoxy)phenyl]-N-([3-(cyclopentyloxy)-4-methoxyphenyl]- (9CI) (CA INDEX NAME)

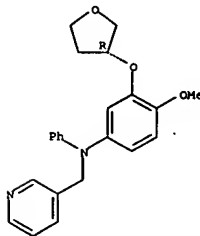


RN 460082-35-3 CAPLUS
CN Phenol, 2-(cyclopentyloxy)-4-(phenyl(3-pyridinylmethyl)amino)- (9CI) (CA INDEX NAME)



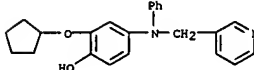
RN 460082-25-1 CAPLUS
CN 3-Pyridinemethanamine, N-([4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl]-N-phenyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

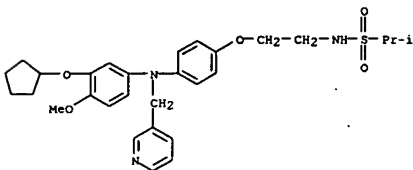


RN 460082-27-3 CAPLUS
CN 3-Pyridinemethanamine, N-([3-chlorophenyl]-N-([4-methoxy-3-[(3R)-tetrahydro-3-furanyl]oxy]phenyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

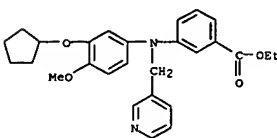


RN 460083-16-3 CAPLUS
CN 2-Propanesulfonamide, N-([2-([3-(cyclopentyloxy)-4-methoxyphenyl](3-pyridinylmethyl)amino)phenoxy]ethyl)- (9CI) (CA INDEX NAME)

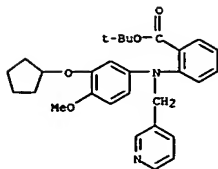


IT 460080-74-4, Ethyl N-(3-(cyclopentyloxy)-4-methoxyphenyl)-N-(3-pyridylmethyl)-3-aminobenzoate 460080-76-6, tert-Butyl N-(3-(cyclopentyloxy)-4-methoxyphenyl)-N-(3-pyridylmethyl)-2-aminobenzoate 460080-87-9, 4'-Amino-3-cyclopentyloxy-4-methoxy-N-(3-pyridylmethyl)diphenylamine 460080-99-3, N-(3-Pyridylmethyl)-3'-[2-(2-phthalimido)ethoxy]-3-cyclopentyloxy-4-methoxydiphenylamine
RL: RCT (Reactant); RACT (Reactant or reagent)
(reactant: preparation of C-organooxy- and N-substituted aniline and diphenylamine analogs as phosphodiesterase 4 inhibitors useful for enhancing cognition)

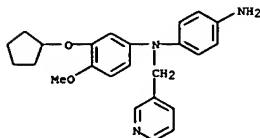
RN 460080-74-4 CAPLUS
CN Benzoic acid, 3-([3-(cyclopentyloxy)-4-methoxyphenyl](3-pyridinylmethyl)amino)-, ethyl ester (9CI) (CA INDEX NAME)



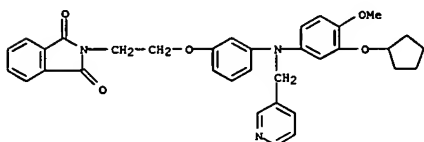
RN 460080-76-6 CAPLUS
CN Benzoic acid, 2-([3-(cyclopentyloxy)-4-methoxyphenyl](3-pyridinylmethyl)amino)-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



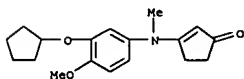
RN 460080-87-9 CAPLUS
CN 1,4-Benzenediamine, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-(3-pyridinylmethyl)- (9CI) (CA INDEX NAME)



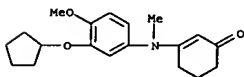
RN 460080-99-3 CAPLUS
CN 1H-isoindole-1,3(2H)-dione, 2-[2-[3-[(3-(cyclopentyloxy)-4-methoxyphenyl] (3-pyridinylmethyl)amino]phenoxy]ethyl]- (9CI) (CA INDEX NAME)



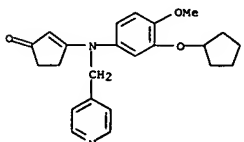
205067-30-7P 205067-31-8P 229310-41-2P
229310-50-3P 229310-51-4P 229310-52-5P
229310-53-6P 229310-55-8P 229310-56-9P
229310-57-0P 229310-58-1P 229310-59-2P
229310-60-5P 229310-61-6P 229310-62-7P
229310-64-9P 229310-65-0P 229310-66-1P
229310-67-2P 229310-68-3P 229310-70-7P
229310-71-8P 229310-72-9P 229310-73-0P
229310-74-1P 229310-75-2P 229310-76-3P
229310-78-5P 229310-79-6P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USE3 (Uses) (prepn. of allinocycloalkenone derivs. as phosphodiesterase IV inhibitors for treatment of inflammations, dermatitis, asthma, psoriasis, and urticaria)
RN 205067-27-2 CAPLUS
CN 2-Cyclopenten-1-one, 3-[[3-(cyclopentyloxy)-4-methoxyphenyl]methylamino]- (9CI) (CA INDEX NAME)



RN 205067-28-3 CAPLUS
CN 2-Cyclohexen-1-one, 3-[[3-(cyclopentyloxy)-4-methoxyphenyl]methylamino]- (9CI) (CA INDEX NAME)



RN 205067-29-4 CAPLUS
CN 2-Cyclopenten-1-one, 3-[[3-(cyclopentyloxy)-4-methoxyphenyl] (4-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)



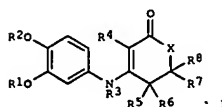
RN 205067-30-7 CAPLUS
CN Acetamide, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-N-(3-oxo-1-cyclopenten-1-

1999:431896 CAPLUS
131:87830
TITLE: Preparation of 3-anilino-2-cycloalkenone derivatives as phosphodiesterase IV inhibitors
INVENTOR(S): Ina, Shinji; Yamana, Kenshiro; Noda, Kyoji; Akiyama, Toshiko; Takahama, Akane
PATENT ASSIGNEE(S): Nikken Chemicals Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 45 pp.
CODEN: JCOOAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

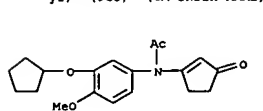
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11189577	A2	19990713	JP 1997-366196	19971225
JP 3542482	B2	20040714		

PRIORITY APPLN. INFO.: JP 1997-366196 19971225

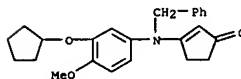
OTHER SOURCE(S): MARPAT 131:87830
GI



AB The title compds. [I; R1 = (un)substituted C1-8 alkyl (excluding unsubstituted methyl), C3-7 cycloalkyl, C6-10 bicycloalkyl, 3-tetrahydrofuryl, indanyl; R2 = C1-4 alkyl; R3 = H, (un)substituted C1-5 alkyl, C3-7 cycloalkyl, acyl; R4 = H, (un)substituted C1-5 alkyl, halo, R9R10NCH2 (wherein R9, R10 = C1-5 alkyl), (C2-6 alkyleneamino)methyl (wherein one of CH2 group may be replaced by one hetero atom selected from O, N, or S); R5 - R8 = H, (un)substituted C1-5 alkyl, (un)substituted Ph; X = (CR11R12)n, NR13; wherein R11, R12 = H, (un)substituted C1-5 alkyl, Ph; n = 0-2; R13 = H, (un)substituted C1-5 alkyl], which have bronchodilatory and antiinflammatory activities, are prepared Also claimed are preventives or remedies containing I for inflammatory diseases, asthma, and dermatitis and remedies containing I for atopic dermatitis, contact dermatitis, psoriasis, and urticaria (nettle rash). Thus, 3-(2-indanyloxy)-4-methoxyaniline 2.68, 2-methyl-1,3-cyclopentanediene 1.18, and p-MeC6H4SO3H 0.07 g were dissolved in 130 mL PhMe and refluxed for 20 h to give, after workup and silica gel chromatog., the title compound (II; R = H). II (R = H) and II (R = 2-quinolinylmethyl) showed IC50 of 1.4 + 10-7 and 1.2 + 10-7 M, resp., against phosphodiesterase IV. Tablet, capsule, inhalation, and ointment formulations containing specific I were given.
IT 205067-27-2P 205067-28-3P 205067-29-4P

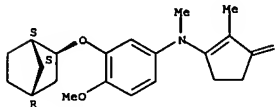


RN 205067-31-8 CAPLUS
CN 2-Cyclopenten-1-one, 3-[[3-(cyclopentyloxy)-4-methoxyphenyl] (phenylmethyl)amino]- (9CI) (CA INDEX NAME)

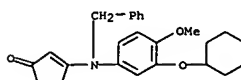


RN 229310-41-2 CAPLUS
CN 2-Cyclopenten-1-one, 3-[[3-[(1R,2R,4S)-bicyclo[2.2.1]hept-2-yloxy]-4-methoxyphenyl]methylamino]-2-methyl-, rel- (9CI) (CA INDEX NAME)

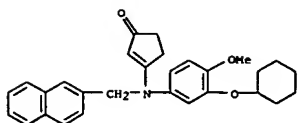
Relative stereochemistry.



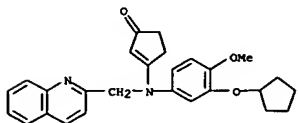
RN 229310-50-3 CAPLUS
CN 2-Cyclopenten-1-one, 3-[[3-(cyclohexyloxy)-4-methoxyphenyl] (phenylmethyl)amino]- (9CI) (CA INDEX NAME)



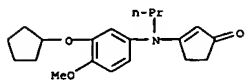
RN 229310-51-4 CAPLUS
CN 2-Cyclopenten-1-one, 3-[[3-(cyclohexyloxy)-4-methoxyphenyl] (2-naphthalenylmethyl)amino]- (9CI) (CA INDEX NAME)



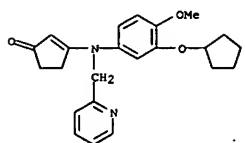
RN 229310-52-5 CAPLUS
CN 2-Cyclopenten-1-one, 3-[[3-((cyclopentyl)oxy)-4-methoxyphenyl]quinolin-2-ylmethyl]amino- (9CI) (CA INDEX NAME)



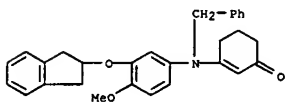
RN 229310-53-6 CAPLUS
CN 2-Cyclopenten-1-one, 3-[[3-((cyclopentyl)oxy)-4-methoxyphenyl]propylamino]- (9CI) (CA INDEX NAME)



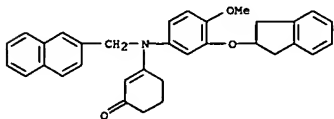
RN 229310-55-8 CAPLUS
CN 2-Cyclopenten-1-one, 3-[[3-((cyclopentyl)oxy)-4-methoxyphenyl]pyridin-2-ylmethyl]amino- (9CI) (CA INDEX NAME)



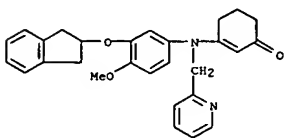
RN 229310-56-9 CAPLUS
CN 2-Cyclopenten-1-one, 3-[[3-((cyclopentyl)oxy)-4-methoxyphenyl]naphthalen-2-ylmethyl]amino- (9CI) (CA INDEX NAME)



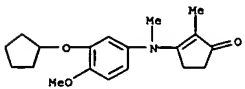
RN 229310-61-6 CAPLUS
CN 2-Cyclopenten-1-one, 3-[[3-((2,3-dihydro-1H-inden-2-yl)oxy)-4-methoxyphenyl]naphthalen-2-ylmethyl]amino- (9CI) (CA INDEX NAME)



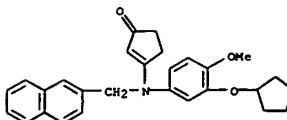
RN 229310-62-7 CAPLUS
CN 2-Cyclopenten-1-one, 3-[[3-((2,3-dihydro-1H-inden-2-yl)oxy)-4-methoxyphenyl]pyridin-2-ylmethyl]amino- (9CI) (CA INDEX NAME)



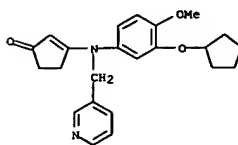
RN 229310-64-9 CAPLUS
CN 2-Cyclopenten-1-one, 3-[[3-((2,3-dihydro-1H-inden-2-yl)oxy)-4-methoxyphenyl]methylamino]-2-methyl- (9CI) (CA INDEX NAME)



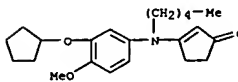
RN 229310-65-0 CAPLUS
CN 2-Cyclopenten-1-one, 3-[[3-((2,3-dihydro-1H-inden-2-yl)oxy)-4-methoxyphenyl]phenylmethyl]amino-2-methyl- (9CI) (CA INDEX NAME)



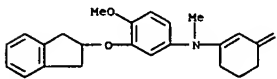
RN 229310-57-0 CAPLUS
CN 2-Cyclopenten-1-one, 3-[[3-((cyclopentyl)oxy)-4-methoxyphenyl]pyridin-2-ylmethyl]amino- (9CI) (CA INDEX NAME)



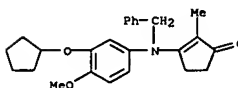
RN 229310-58-1 CAPLUS
CN 2-Cyclopenten-1-one, 3-[[3-((cyclopentyl)oxy)-4-methoxyphenyl]pentylamino]- (9CI) (CA INDEX NAME)



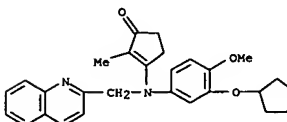
RN 229310-59-2 CAPLUS
CN 2-Cyclohexen-1-one, 3-[[3-((2,3-dihydro-1H-inden-2-yl)oxy)-4-methoxyphenyl]methylamino]- (9CI) (CA INDEX NAME)



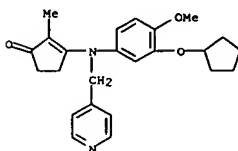
RN 229310-60-5 CAPLUS
CN 2-Cyclohexen-1-one, 3-[[3-((2,3-dihydro-1H-inden-2-yl)oxy)-4-methoxyphenyl]phenylmethyl]amino- (9CI) (CA INDEX NAME)



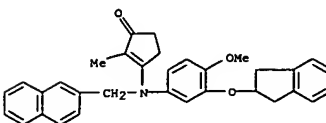
RN 229310-66-1 CAPLUS
CN 2-Cyclopenten-1-one, 3-[[3-((cyclopentyl)oxy)-4-methoxyphenyl]quinolin-2-ylmethyl]amino-2-methyl- (9CI) (CA INDEX NAME)



RN 229310-67-2 CAPLUS
CN 2-Cyclopenten-1-one, 3-[[3-((cyclopentyl)oxy)-4-methoxyphenyl]pyridin-2-ylmethyl]amino-2-methyl- (9CI) (CA INDEX NAME)

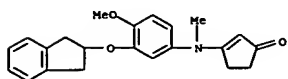


RN 229310-68-3 CAPLUS
CN 2-Cyclopenten-1-one, 3-[[3-((2,3-dihydro-1H-inden-2-yl)oxy)-4-methoxyphenyl]naphthalen-2-ylmethyl]amino-2-methyl- (9CI) (CA INDEX NAME)

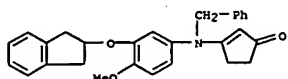


L21 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

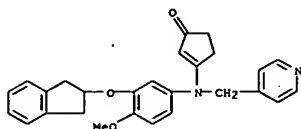
RN 229310-70-7 CAPLUS
CN 2-Cyclopenten-1-one, 3-[[3-[(2,3-dihydro-1H-inden-2-yl)oxy]-4-methoxyphenyl]methylamino]- (9CI) (CA INDEX NAME)



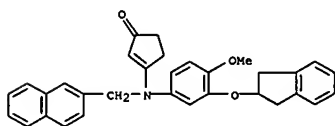
RN 229310-71-8 CAPLUS
CN 2-Cyclopenten-1-one, 3-[[3-[(2,3-dihydro-1H-inden-2-yl)oxy]-4-methoxyphenyl](phenylmethyl)amino]- (9CI) (CA INDEX NAME)



RN 229310-72-9 CAPLUS
CN 2-Cyclopenten-1-one, 3-[[3-[(2,3-dihydro-1H-inden-2-yl)oxy]-4-methoxyphenyl](4-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)

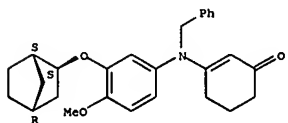


RN 229310-73-0 CAPLUS
CN 2-Cyclopenten-1-one, 3-[[3-[(2,3-dihydro-1H-inden-2-yl)oxy]-4-methoxyphenyl](2-naphthalenylmethyl)amino]- (9CI) (CA INDEX NAME)



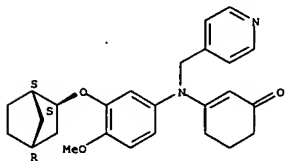
RN 229310-74-1 CAPLUS
CN 2-Cyclopenten-1-one, 3-[[3-[(2,3-dihydro-1H-inden-2-yl)oxy]-4-methoxyphenyl](2-quinolinylmethyl)amino]- (9CI) (CA INDEX NAME)

L21 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

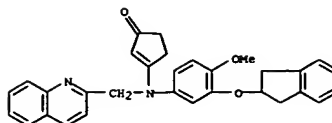


RN 229310-79-6 CAPLUS
CN 2-Cyclohexen-1-one, 3-[[3-[(1R,2R,4S)-bicyclo[2.2.1]hept-2-yloxy]-4-methoxyphenyl](4-pyridinylmethyl)amino]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

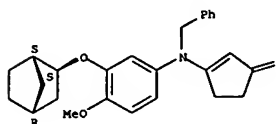


L21 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



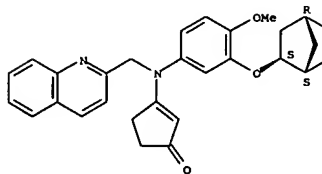
RN 229310-75-2 CAPLUS
CN 2-Cyclopenten-1-one, 3-[[3-[(1R,2R,4S)-bicyclo[2.2.1]hept-2-yloxy]-4-methoxyphenyl](phenylmethyl)amino]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 229310-76-3 CAPLUS
CN 2-Cyclopenten-1-one, 3-[[3-[(1R,2R,4S)-bicyclo[2.2.1]hept-2-yloxy]-4-methoxyphenyl](2-quinolinylmethyl)amino]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 229310-78-5 CAPLUS
CN 2-Cyclohexen-1-one, 3-[[3-[(1R,2R,4S)-bicyclo[2.2.1]hept-2-yloxy]-4-methoxyphenyl](phenylmethyl)amino]-, rel- (9CI) (CA INDEX NAME)

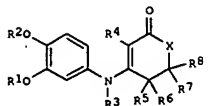
Relative stereochemistry.

L21 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1998:178214 CAPLUS
DOCUMENT NUMBER: 128:257226
TITLE: Preparation of 3-anilino-2-cycloalkenone as phosphodiesterase inhibitors
INVENTOR(S): Ina, Shinji; Yamana, Kenshiro; Noda, Kyoji
PATENT ASSIGNEE(S): Nikken Chemicals Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 20 pp.
CODEN: JKOXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

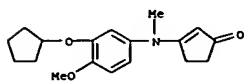
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10072415	A2	19980317	JP 1997-181884	19970624
CA 2295106	AA	19981230	CA 1997-2295106	19971225
WO 9858901	A1	19981230	WO 1997-JP4857	19971225
W: CA, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 994100	A1	20000419	EP 1997-950410	19971225
R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
US 6235736	B1	20010522	US 2000-446822	20000320
PRIORITY APPLN. INFO.:			JP 1996-184230	A 19960626
			JP 1997-181884	A 19970624
			WO 1997-JP4857	W 19971225

OTHER SOURCE(S): MARPAT 128:257226
GI

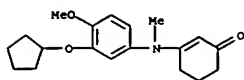


AB The title compds. [I; R1 = (un)substituted C1-8 alkyl, C3-7 cycloalkyl, C6-10 bicycloalkyl, etc.; R2 = C1-4 alkyl; R3 = H, (un)substituted C1-5 alkyl, acyl, C3-7 cycloalkyl; R4 = H, halo, (un)substituted C1-5 alkyl; R5-R8 = H, (un)substituted C1-5 alkyl or Ph; X = (CH2)n, NR11; R11 = (un)substituted C1-5 alkyl; n = 0-2] are prepared. I have a potent phosphodiesterase (PDE) IV inhibitory, antiasthmatic and anti-inflammatory activities. Thus, 3-cyclopentyl-4-methoxyaniline (preparation given) was reacted with 1,3-cyclopentadione in the presence of p-TsOH to give 80.4% I (R1 = cyclopentyl, R2 = Me, R3-R8 = H, X = none), which showed IC50 of 1.6 X 10-6 M against PDE IV. A formulation containing I are also prepared
IT 205067-27-2P 205067-28-3P 205067-29-4P

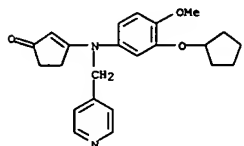
L21 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 205067-30-7P 205067-31-8P
 RL: BAC (Biological activity or effector, except adverse); BSU
 (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
 BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of 3-anilino-2-cycloalkenone as phosphodiesterase inhibitors)
 RN 205067-27-2 CAPLUS
 CN 2-cyclopenten-1-one, 3-[[3-(cyclopentyloxy)-4-methoxyphenyl]methylamino]-
 (9CI) (CA INDEX NAME)



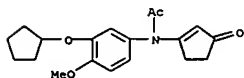
RN 205067-28-3 CAPLUS
 CN 2-cyclohexen-1-one, 3-[[3-(cyclopentyloxy)-4-methoxyphenyl]methylamino]-
 (9CI) (CA INDEX NAME)



RN 205067-29-4 CAPLUS
 CN 2-cyclopenten-1-one, 3-[[3-(cyclopentyloxy)-4-methoxyphenyl](4-pyridinylmethylamino)-
 (9CI) (CA INDEX NAME)



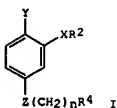
RN 205067-30-7 CAPLUS
 CN Acetamide,
 N-[[3-(cyclopentyloxy)-4-methoxyphenyl]-N-(3-oxo-1-cyclopenten-1-yl)-
 (9CI) (CA INDEX NAME)



L21 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1994:269853 CAPLUS
 DOCUMENT NUMBER: 120:269853
 TITLE: Preparation of trisubstituted phenyl derivatives as
 selective phosphodiesterase IV inhibitors
 INVENTOR(S): Beeley, Nigel Robert Arnold; Millican, Thomas Andrew
 PATENT ASSIGNEE(S): Celltech Ltd., UK
 SOURCE: PCT Int. Appl., 34 pp.
 CODEN: PXXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

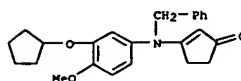
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9325517	A1	19931223	WO 1993-GB1266	19930615
W: AU, CA, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 5340827	A	19940823	US 1993-77283	19930614
US 5550137	A	19960827	US 1993-77284	19930614
CA 2114114	AA	19931223	CA 1993-2114114	19930615
CA 2114114	C	20050503		
AU 9343470	A1	19940104	AU 1993-43470	19930615
AU 670949	B2	19960808		
EP 607373	A1	19940727	EP 1993-913367	19930615
EP 607373	B1	19970319		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 06509820	T2	19941102	JP 1994-501297	19930615
JP 3634861	B2	20050330		
AT 150447	E	19970415	AT 1993-913367	19930615
ES 2102036	T3	19970716	ES 1993-913367	19930615
US 6096747	A	20000801	US 1996-654180	19960528
PRIORITY APPLN. INFO.:			GB 1992-12673	A 19920615
			GB 1992-12693	A 19920615
			US 1993-77284	A3 19930614
			WO 1993-GB1266	A 19930615

OTHER SOURCE(S): MARPAT 120:269853
 GI

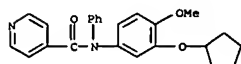


AB Title compds. I (Y = halo, R1O wherein R1 = (substituted) alkyl; R2 = (substituted) cycloalkyl, cycloalkenyl, polycycloalkyl; Z = NR3CO, R3NCO wherein R3 = H, alkyl, aralkyl; R4 = aryl, heteroaryl; X = O, S, CH2, NR5 wherein R5 = H, alkyl; n = 0-3) salts, solvate and hydrates thereof,

L21 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 RN 205067-31-8 CAPLUS
 CN 2-cyclopenten-1-one, 3-[[3-(cyclopentyloxy)-4-methoxyphenyl](phenylmethylamino)-
 (9CI) (CA INDEX NAME)



L21 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 useful for prophylaxis or treatment of inflammatory disease, are prepd.
 To 3-(cyclopentyloxy)4-methoxyaniline (prepn. given) in anhyd. pyridine
 was added BzCl followed by N,N-dimethylaminopyridine to give I (Y = MeO,
 R2X = cyclopentyloxy, Z(CH2)nR4 = BzNH). I showed phosphodiesterase IV
 inhibition and antiinflammatory activity.
 IT 154464-20-7P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of, as phosphodiesterase IV inhibitor)
 RN 154464-20-7 CAPLUS
 CN 4-Pyridinecarboxamide, N-[[3-(cyclopentyloxy)-4-methoxyphenyl]-N-phenyl-
 (9CI) (CA INDEX NAME)



=> fil reg

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
40.87	711.84

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-5.84	-54.02

CA SUBSCRIBER PRICE

FILE 'REGISTRY' ENTERED AT 08:16:05 ON 23 NOV 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES: 22 NOV 2005 HIGHEST RN 868656-94-4

DICTIONARY FILE UPDATES: 22 NOV 2005 HIGHEST RN 868656-94-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

*

* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added. *

7 8 9 12 13 14 17
ring nodes :
1 2 3 4 5 6
ring/chain nodes :
10
chain bonds :
1-8 2-7 5-12 7-9 8-10 12-13 12-14 13-17
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
1-8 2-7 5-12 7-9 8-10 12-13 12-14 13-17
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 :

G1:C,H

G2:H,Cb

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
12:CLASS 13:CLASS 14:Atom 17:Atom

Generic attributes :

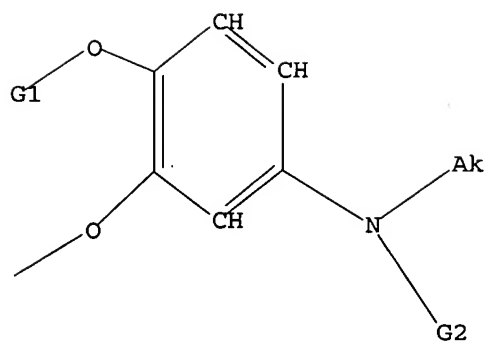
17:

Number of Carbon Atoms : less than 7

Number of Hetero Atoms : less than 2

Type of Ring System : Monocyclic

Element Count :



G1 C,H
G2 H,Cb

Structure attributes must be viewed using STN Express query preparation.

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FULL SUBSET SEARCH INITIATED 08:16:21 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED - 13116 TO ITERATE

100.0% PROCESSED 13116 ITERATIONS
SEARCH TIME: 00.00.01

7112 ANSWERS

L24 7112 SEA SUB=L3 SSS FUL L23

FILE 'REGISTRY' ENTERED AT 08:13:15 ON 23 NOV 2005
L17 STRUCTURE UPLOADED
L18 444 S L17 FULL SUB=L3
L19 326 S L18 NOT L13
L20 326 S L19 AND CAPLUS/LC

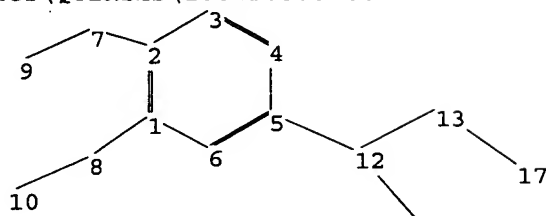
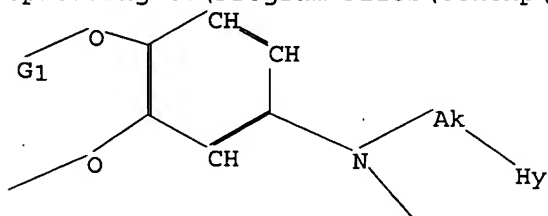
FILE 'CAPLUS' ENTERED AT 08:14:03 ON 23 NOV 2005
L21 8 S L20
L22 5 S L21 NOT L16

FILE 'REGISTRY' ENTERED AT 08:16:05 ON 23 NOV 2005
L23 STRUCTURE UPLOADED
L24 7112 S L23 FULL SUB=L3

=> s l24 not l18
L25 6668 L24 NOT L18

=> s l25 not l13
L26 6668 L25 NOT L13

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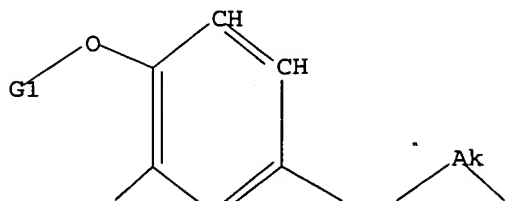


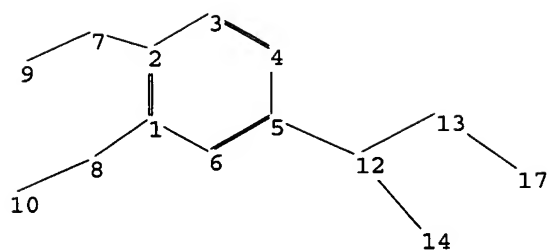
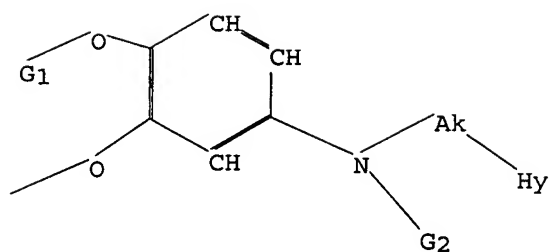
17:
Number of Carbon Atoms : less than 7
Number of Hetero Atoms : less than 2
Type of Ring System : Monocyclic

Element Count :
Node 17: Limited
C,C5
N,N1
O,O0
S,S0

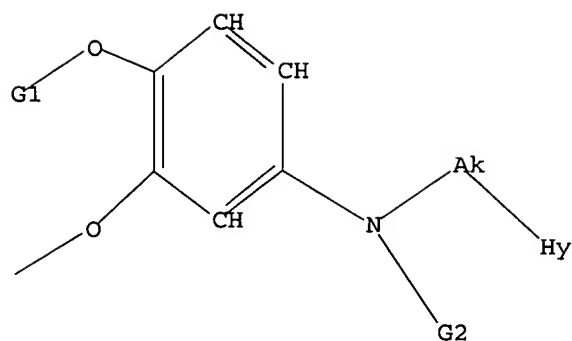
L27 STRUCTURE UPLOADED

=> d
L27 HAS NO ANSWERS
L27 STR





chain nodes :
 7 8 9 12 13 14 17
 ring nodes :
 1 2 3 4 5 6
 ring/chain nodes :
 10
 chain bonds :
 1-8 2-7 5-12 7-9 8-10 12-13 12-14 13-17
 ring bonds :
 1-2 1-6 2-3 3-4 4-5 5-6
 exact/norm bonds :
 1-8 2-7 5-12 7-9 8-10 12-13 12-14 13-17
 normalized bonds :
 1-2 1-6 2-3 3-4 4-5 5-6
 isolated ring systems :
 containing 1 :



G1 C,H
G2 H,Cb

Structure attributes must be viewed using STN Express query preparation.

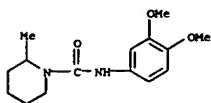
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100.0% PROCESSED 1719 ITERATIONS
SEARCH TIME: 00.00.02

271 ANSWERS

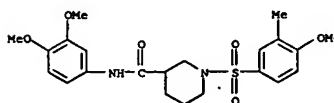
L30 271 SEA SUB=L28 SSS FUL L29

L33 ANSWER 1 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 865659-53-6 REGISTRY
 ED Entered STN: 20 Oct 2005
 CN 1-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-2-methyl- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C15 H22 N2 O3
 SR Chemical Library



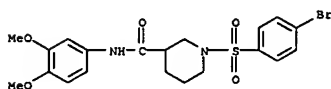
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 2 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 865258-10-2 REGISTRY
 ED Entered STN: 14 Oct 2005
 CN 3-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-[(4-methoxy-3-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C22 H28 N2 O6 S
 SR Chemical Library
 Supplier: Vitas-M
 LC STN Files: CHEMCATS



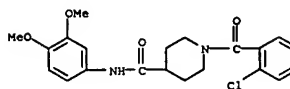
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 3 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 865257-24-5 REGISTRY
 ED Entered STN: 14 Oct 2005
 CN 3-Piperidinecarboxamide, 1-[(4-bromophenyl)sulfonyl]-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C20 H23 Br N2 O5 S
 SR Chemical Library
 Supplier: Vitas-M
 LC STN Files: CHEMCATS



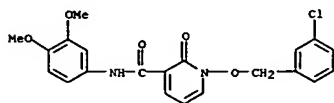
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 4 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 864840-77-7 REGISTRY
 ED Entered STN: 10 Oct 2005
 CN 4-Piperidinecarboxamide, 1-(2-chlorobenzoyl)-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C21 H23 Cl N2 O4
 SR Chemical Library



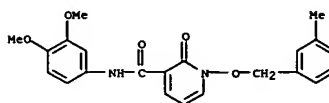
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 5 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 852365-98-1 REGISTRY
 ED Entered STN: 16 Jun 2005
 CN 3-Pyridinecarboxamide, N-[(3-chlorophenyl)methoxy]-1,2-dihydro-2-oxo- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C21 H19 Cl N2 O5
 SR Chemical Library
 Supplier: Ambinter
 LC STN Files: CHEMCATS



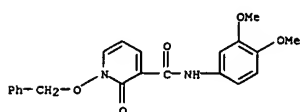
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 6 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 852365-97-0 REGISTRY
 ED Entered STN: 16 Jun 2005
 CN 3-Pyridinecarboxamide, N-[(3,4-dimethoxyphenyl)-1,2-dihydro-1-[(3-methylphenyl)methoxy]-2-oxo- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C22 H22 N2 O5
 SR Chemical Library
 Supplier: Ambinter
 LC STN Files: CHEMCATS



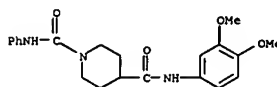
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 7 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 852365-96-9 REGISTRY
 ED Entered STN: 16 Jun 2005
 CN 3-Pyridinecarboxamide, N-[(3,4-dimethoxyphenyl)-1,2-dihydro-2-oxo-1-(phenylmethoxy)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C21 H20 N2 O5
 SR Chemical Library
 Supplier: Ambinter
 LC STN Files: CHEMCATS



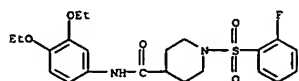
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 8 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 851465-86-6 REGISTRY
 ED Entered STN: 01 Jun 2005
 CN INDEX NAME NOT YET ASSIGNED
 FS 3D CONCORD
 MF C21 H25 N3 O4
 SR Chemical Library
 Supplier: Enamine
 LC STN Files: CHEMCATS



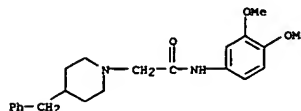
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 9 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 851398-21-5 REGISTRY
 ED Entered STN: 31 May 2005
 CN 4-Piperidinecarboxamide, N-(3,4-diethoxyphenyl)-1-[(2-fluorophenyl)sulfonyl]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C22 H27 F N2 O5 S
 SR Chemical Library
 Supplier: Enamine
 LC STN Files: CHEMCATS



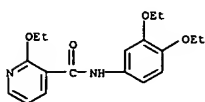
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 10 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 851272-29-2 REGISTRY
 ED Entered STN: 27 May 2005
 CN 1-Piperidineacetamide, N-(3,4-dimethoxyphenyl)-4-(phenylmethyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C22 H28 N2 O3
 SR Chemical Library
 Supplier: Enamine
 LC STN Files: CHEMCATS



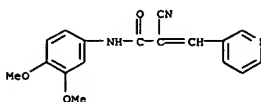
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 11 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 851270-08-1 REGISTRY
 ED Entered STN: 27 May 2005
 CN 3-Pyridinecarboxamide, N-(3,4-diethoxyphenyl)-2-ethoxy- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C18 H22 N2 O4
 SR Chemical Library
 Supplier: Enamine
 LC STN Files: CHEMCATS



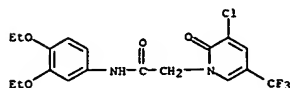
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 12 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 850478-15-8 REGISTRY
 ED Entered STN: 16 May 2005
 CN 2-Propenamide, 2-cyano-N-(3,4-dimethoxyphenyl)-3-(3-pyridinyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C17 H15 N3 O3
 SR Chemical Library
 Supplier: Enamine
 LC STN Files: CHEMCATS



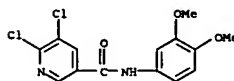
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 13 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 848313-04-2 REGISTRY
 ED Entered STN: 12 Apr 2005
 CN 1-(2H)-Pyridineacetamide, 3-chloro-N-(3,4-diethoxyphenyl)-2-oxo-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C18 H18 Cl F3 N2 O4
 SR Chemical Library
 Supplier: Enamine
 LC STN Files: CHEMCATS



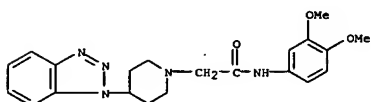
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 14 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 847773-32-4 REGISTRY
 ED Entered STN: 01 Apr 2005
 CN 3-Pyridinecarboxamide, 5,6-dichloro-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C14 H12 Cl2 N2 O3
 SR Chemical Library
 Supplier: Enamine
 LC STN Files: CHEMCATS



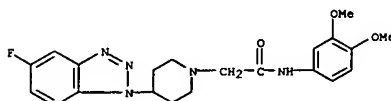
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 15 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 847242-67-5 REGISTRY
 ED Entered STN: 25 Mar 2005
 CN 1-Piperidineacetamide, 4-(1H-benzotriazol-1-yl)-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C21 H25 N5 O3
 SR Chemical Library
 Supplier: AsinEx
 LC STN Files: CHEMCATS



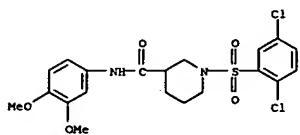
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 16 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 841230-60-2 REGISTRY
 ED Entered STN: 03 Mar 2005
 CN 1-Piperidineacetamide, N-(3,4-dimethoxyphenyl)-4-(5-fluoro-1H-benzotriazol-1-yl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C21 H24 F N5 O3
 SR Chemical Library
 Supplier: AsinEx
 LC STN Files: CHEMCATS



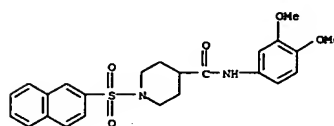
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 17 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 838884-61-0 REGISTRY
 ED Entered STN: 28 Feb 2005
 CN 3-Piperidinecarboxamide, 1-[(2,5-dichlorophenyl)sulfonyl]-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C20 H22 Cl2 N2 O5 S
 SR Chemical Library
 Supplier: ChemBridge Corporation
 LC STN Files: CHEMCATS



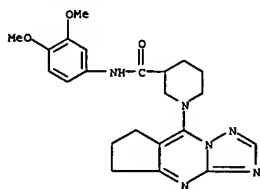
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 18 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 838865-60-4 REGISTRY
 ED Entered STN: 28 Feb 2005
 CN 4-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-(2-naphthalenylsulfonyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C24 H26 N2 O5 S
 SR Chemical Library
 Supplier: ChemBridge Corporation
 LC STN Files: CHEMCATS

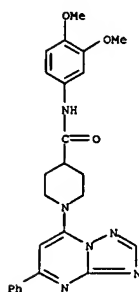


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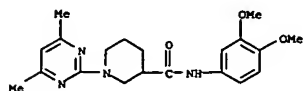
L33 ANSWER 19 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 838097-10-2 REGISTRY
 ED Entered STN: 27 Feb 2005
 CN INDEX NAME NOT YET ASSIGNED
 FS 3D CONCORD
 MF C22 H26 N6 O3
 SR Chemical Library
 Supplier: AsInEx
 LC STN Files: CHEMCATS



L33 ANSWER 20 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 838096-50-7 REGISTRY
 ED Entered STN: 27 Feb 2005
 CN INDEX NAME NOT YET ASSIGNED
 FS 3D CONCORD
 MF C25 H26 N6 O3
 SR Chemical Library
 Supplier: AsInEx
 LC STN Files: CHEMCATS

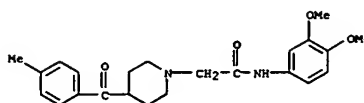


L33 ANSWER 21 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 837390-77-9 REGISTRY
 ED Entered STN: 25 Feb 2005
 CN 3-Piperidinecarboxamide, N-[(3,4-dimethoxyphenyl)-1-(4,6-dimethyl-2-pyrimidinyl)]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C20 H26 N4 O3
 SR Chemical Library
 Supplier: AsInEx
 LC STN Files: CHEMCATS



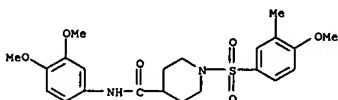
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 22 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 837385-17-8 REGISTRY
 ED Entered STN: 25 Feb 2005
 CN 1-Piperidineacetamide, N-[(3,4-dimethoxyphenyl)-4-(4-methylbenzoyl)]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C23 H28 N2 O4
 SR Chemical Library
 Supplier: AsInEx
 LC STN Files: CHEMCATS



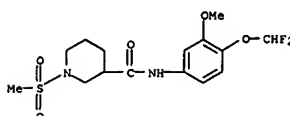
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 23 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 835900-11-3 REGISTRY
 ED Entered STN: 23 Feb 2005
 CN 4-Piperidinecarboxamide, N-[(3,4-dimethoxyphenyl)-1-[(4-methoxy-3-methylphenyl)sulfonyl]]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C22 H28 N2 O6 S
 SR Chemical Library
 Supplier: ChemBridge Corporation
 LC STN Files: CHEMCATS



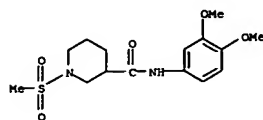
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 24 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 832141-03-4 REGISTRY
 ED Entered STN: 16 Feb 2005
 CN 3-Piperidinecarboxamide, N-[(4-(difluoromethoxy)-3-methoxyphenyl)-1-(methylsulfonyl)]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C15 H20 F2 N2 O5 S
 SR Chemical Library
 Supplier: AKos Consulting and Solutions GmbH
 LC STN Files: CHEMCATS



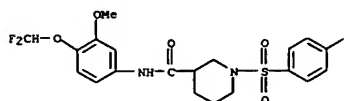
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 25 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 832137-65-2 REGISTRY
 ED Entered STN: 16 Feb 2005
 CN 3-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-(methylsulfonyl)-
 (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C15 H22 N2 O5 S
 SR Chemical Library
 Supplier: AKos Consulting and Solutions GmbH
 LC STN Files: CHEMCATS



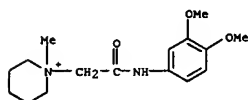
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 26 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 832115-82-9 REGISTRY
 ED Entered STN: 16 Feb 2005
 CN 3-Piperidinecarboxamide, N-[4-(difluoromethoxy)-3-methoxyphenyl]-1-[(4-fluorophenyl)sulfonyl]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C20 H21 F3 N2 O5 S
 SR Chemical Library
 Supplier: AKos Consulting and Solutions GmbH
 LC STN Files: CHEMCATS

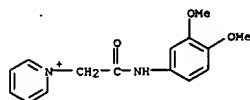


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

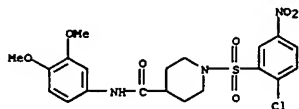
L33 ANSWER 27 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 807287-13-4 REGISTRY
 ED Entered STN: 02 Jan 2005
 CN Piperidinium, 1-[2-[(3,4-dimethoxyphenyl)amino]-2-oxoethyl]-1-methyl-
 (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C16 H25 N2 O3
 CI COM
 SR CA



L33 ANSWER 28 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 807281-80-7 REGISTRY
 ED Entered STN: 02 Jan 2005
 CN Pyridinium, 1-[2-[(3,4-dimethoxyphenyl)amino]-2-oxoethyl]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C15 H17 N2 O3
 CI COM
 SR CA

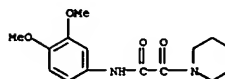


L33 ANSWER 29 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 802981-25-5 REGISTRY
 ED Entered STN: 27 Dec 2004
 CN 4-Piperidinecarboxamide, 1-[(2-chloro-5-nitrophenyl)sulfonyl]-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C20 H22 Cl N3 O7 S
 SR Chemical Library
 Supplier: Enamine



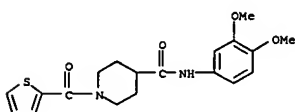
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 30 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 799264-14-5 REGISTRY
 ED Entered STN: 17 Dec 2004
 CN 1-Piperidineacetamide, N-(3,4-dimethoxyphenyl)-α-oxo- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C15 H20 N2 O4
 SR Chemical Library
 Supplier: Interchim
 LC STN Files: CHEMCATS



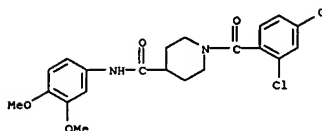
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 31 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 797813-36-6 REGISTRY
 ED Entered STN: 15 Dec 2004
 CN 4-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-(2-thienylcarbonyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C19 H22 N2 O4 S
 SR Chemical Library
 Supplier: Interchim
 LC STN Files: CHEMCATS



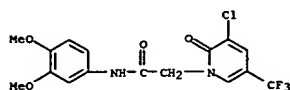
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 32 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 797812-39-6 REGISTRY
 ED Entered STN: 15 Dec 2004
 CN 4-Piperidinecarboxamide, 1-(2,4-dichlorobenzoyl)-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C21 H22 Cl2 N2 O4
 SR Chemical Library
 Supplier: Interchim
 LC STN Files: CHEMCATS



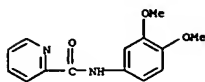
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 33 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 797004-86-5 REGISTRY
 ED Entered STN: 14 Dec 2004
 CN 1-(2H)-Pyridineacetamide, 3-chloro-N-(3,4-dimethoxyphenyl)-2-oxo-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C16 H14 Cl F3 N2 O4
 SR Chemical Library
 Supplier: Enamine
 LC STN Files: CHEMCATS



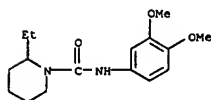
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 34 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 795292-77-2 REGISTRY
 ED Entered STN: 09 Dec 2004
 CN 2-Pyridinecarboxamide, N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C14 H14 N2 O3
 SR Chemical Library
 Supplier: Enamine
 LC STN Files: CHEMCATS



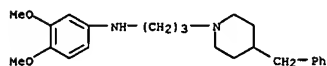
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 35 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 774194-59-1 REGISTRY
 ED Entered STN: 03 Nov 2004
 CN 1-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-2-ethyl- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C16 H24 N2 O3
 SR Chemical Library
 Supplier: Scientific Exchange, Inc.
 LC STN Files: CHEMCATS



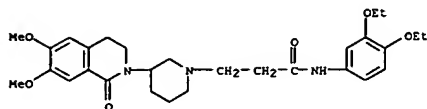
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 36 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 772328-31-1 REGISTRY
 ED Entered STN: 29 Oct 2004
 CN 1-Piperidinepropanamine, N-(3,4-dimethoxyphenyl)-4-(phenylmethyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C23 H32 N2 O2
 CI COH
 SR CA



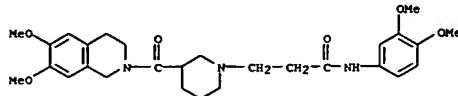
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 37 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 770698-41-4 REGISTRY
 ED Entered STN: 28 Oct 2004
 CN 1-Piperidinepropanamide, N-(3,4-diethoxyphenyl)-3-(3,4-dihydro-6,7-dimethoxy-1-oxo-2(1H)-isoquinolinyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C29 H39 N3 O6
 CI COM
 SR CA



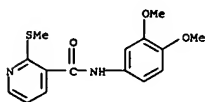
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 38 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 768349-47-9 REGISTRY
 ED Entered STN: 25 Oct 2004
 CN 1-Piperidinepropanamide, 3-[(3,4-dihydro-6,7-dimethoxy-2(1H)-isoquinolinyl)carbonyl]-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C28 H37 N3 O6
 CI COM
 SR CA



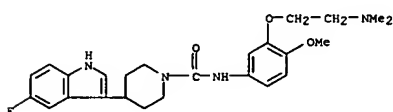
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 39 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 765285-31-2 REGISTRY
 ED Entered STN: 19 Oct 2004
 CN 3-Pyridinecarboxamide, N-(3,4-dimethoxyphenyl)-2-(methylthio)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C15 H16 N2 O3 S
 SR Chemical Library
 Supplier: Enamine
 LC STN Files: CHEMCATS



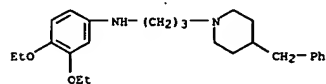
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 40 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 763914-37-0 REGISTRY
 ED Entered STN: 17 Oct 2004
 CN 1-Piperidinecarboxamide, N-[3-(2-(dimethylamino)ethoxy)-4-methoxyphenyl]-4-(5-fluoro-1H-indol-3-yl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C25 H31 F N4 O3
 CI COM
 SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

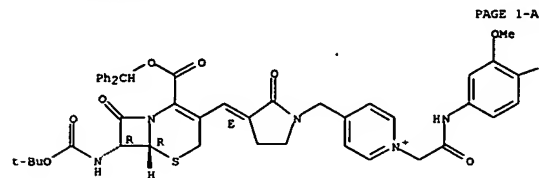
L33 ANSWER 41 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 763072-45-3 REGISTRY
 ED Entered STN: 15 Oct 2004
 CN 1-Piperidinepropanamine, N-(3,4-diethoxyphenyl)-4-(phenylmethyl)- (9CI)
 (CA INDEX NAME)
 FS 3D CONCORD
 MF C25 H36 N2 O2
 CI COM
 SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

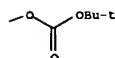
L33 ANSWER 42 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 749832-03-9 REGISTRY
 ED Entered STN: 23 Sep 2004
 CN Pyridinium,
 4-[[[(3E)-3-[[[(6R,7R)-7-[[[(1,1-dimethylethoxy)carbonyl]amino]-2-
 [(diphenylmethoxy)carbonyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-
 yl]methylene]-2-oxo-1-pyrrolidinyl]methyl]-1-[2-[[4-[[[(1,1-
 dimethylethoxy)carbonyl]oxy]-3-methoxyphenyl]amino]-2-oxoethyl]-
 (CA INDEX NAME)
 FS STEREOSEARCH
 MF C50 H54 N5 O11 S
 CI COM
 SR CA

Absolute stereochemistry.
 Double bond geometry as shown.

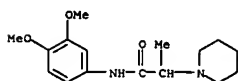


PAGE 1-A

PAGE 1-B

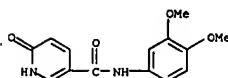


L33 ANSWER 43 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 741643-73-2 REGISTRY
 ED Entered STN: 09 Sep 2004
 CN 1-Piperidineacetamide, N-(3,4-dimethoxyphenyl)-α-methyl- (9CI) (CA
 INDEX NAME)
 FS 3D CONCORD
 MF C16 H24 N2 O3
 CI COM
 SR CA



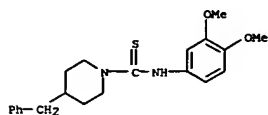
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 44 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 736146-96-6 REGISTRY
 ED Entered STN: 31 Aug 2004
 CN 3-Pyridinecarboxamide, N-(3,4-dimethoxyphenyl)-1,6-dihydro-6-oxo- (9CI)
 (CA INDEX NAME)
 FS 3D CONCORD
 MF C14 H14 N2 O4
 SR Chemical Library
 Supplier: Enamine



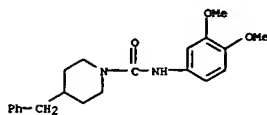
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 45 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 708245-43-6 REGISTRY
 ED Entered STN: 12 Jul 2004
 CN 1-Piperidinecarbothioamide, N-(3,4-dimethoxyphenyl)-4-(phenylmethyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C21 H26 N2 O2 S
 SR Chemical Library
 Supplier: ChemBridge Corporation
 LC STN Files: CHEMCATS



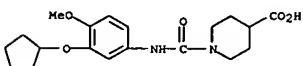
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 46 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 708221-01-6 REGISTRY
 ED Entered STN: 12 Jul 2004
 CN 1-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-4-(phenylmethyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C21 H26 N2 O3
 SR Chemical Library
 Supplier: ChemBridge Corporation
 LC STN Files: CHEMCATS



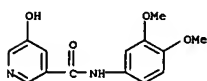
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 47 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 706758-32-9 REGISTRY
 ED Entered STN: 09 Jul 2004
 CN 4-Piperidinecarboxylic acid, 1-[[[3-(cyclopentyloxy)-4-methoxyphenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C19 H26 N2 O5
 SR Chemical Library
 Supplier: Maybridge plc
 LC STN Files: CHEMCATS



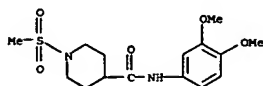
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 48 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 701240-46-2 REGISTRY
 ED Entered STN: 30 Jun 2004
 CN 3-Pyridinecarboxamide, N-(3,4-dimethoxyphenyl)-5-hydroxy- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C14 H14 N2 O4
 SR Chemical Library
 Supplier: ChemBridge Corporation
 LC STN Files: CHEMCATS



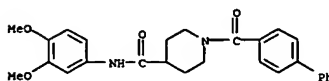
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 49 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 693799-32-5 REGISTRY
 ED Entered STN: 16 Jun 2004
 CN 4-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-(methylsulfonyl)-
 (9CI)
 FS 3D CONCORD
 MF C15 H22 N2 O5 S
 SR Chemical Library
 Supplier: ChemBridge Corporation
 LC STN Files: CHEMCATS



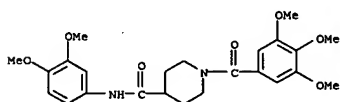
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 50 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 693241-84-8 REGISTRY
 ED Entered STN: 15 Jun 2004
 CN 4-Piperidinecarboxamide, 1-([1,1'-biphenyl]-4-ylcarbonyl)-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C27 H28 N2 O4
 SR Chemical Library
 Supplier: ChemBridge Corporation
 LC STN Files: CHEMCATS



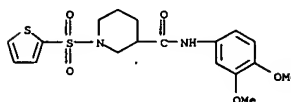
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 51 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 690669-94-4 REGISTRY
 ED Entered STN: 08 Jun 2004
 CN 4-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-(3,4,5-trimethoxybenzoyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C24 H30 N2 O7
 SR Chemical Library
 Supplier: ChemBridge Corporation
 LC STN Files: CHEMCATS



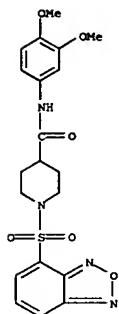
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 52 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 689748-77-4 REGISTRY
 ED Entered STN: 06 Jun 2004
 CN 3-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-(2-thienylsulfonyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C18 H22 N2 O5 S2
 SR Chemical Library
 Supplier: ChemDiv, Inc.
 LC STN Files: CHEMCATS



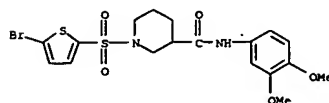
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 53 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 689746-01-8 REGISTRY
 ED Entered STN: 06 Jun 2004
 CN 4-Piperidinecarboxamide, 1-[(2,1,3-benzoxadiazol-4-ylsulfonyl)-N-(3,4-dimethoxyphenyl)]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C20 H22 N4 O6 S
 SR Chemical Library
 Supplier: ChemDiv, Inc.
 LC STN Files: CHEMCATS



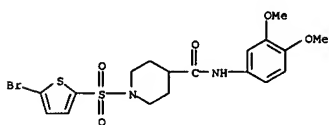
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 54 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 688350-75-6 REGISTRY
 ED Entered STN: 02 Jun 2004
 CN 3-Piperidinecarboxamide, 1-[(5-bromo-2-thienyl)sulfonyl]-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C18 H21 Br N2 O5 S2
 SR Chemical Library
 Supplier: ChemDiv, Inc.
 LC STN Files: CHEMCATS



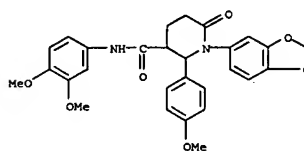
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 55 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 688343-65-9 REGISTRY
 ED Entered STN: 02 Jun 2004
 CN 4-Piperidinecarboxamide, 1-[(5-bromo-2-thienyl)sulfonyl]-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C18 H21 Br N2 O5 S2
 SR Chemical Library
 Supplier: ChemDiv, Inc.
 LC STN Files: CHEMCATS



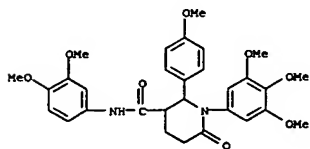
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 56 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 687565-80-6 REGISTRY
 ED Entered STN: 30 May 2004
 CN 3-Piperidinecarboxamide, 1-(1,3-benzodioxol-5-yl)-N-(3,4-dimethoxyphenyl)-2-(4-methoxyphenyl)-6-oxo- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C28 H28 N2 O7
 SR Chemical Library
 Supplier: ChemDiv, Inc.
 LC STN Files: CHEMCATS



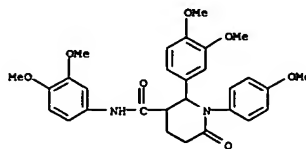
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 57 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 686742-30-3 REGISTRY
 ED Entered STN: 28 May 2004
 CN 3-Piperidinecarboxamide,
 N-(3,4-dimethoxyphenyl)-2-(4-methoxyphenyl)-6-oxo-
 1-(3,4,5-trimethoxyphenyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C30 H34 N2 O8
 SR Chemical Library
 Supplier: ChemDiv, Inc.
 LC STN Files: CHEMCATS



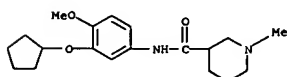
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 58 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 685880-32-4 REGISTRY
 ED Entered STN: 26 May 2004
 CN 3-Piperidinecarboxamide,
 N,2-bis(3,4-dimethoxyphenyl)-1-(4-methoxyphenyl)-
 6-oxo- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C29 H32 N2 O7
 SR Chemical Library
 Supplier: ChemDiv, Inc.
 LC STN Files: CHEMCATS



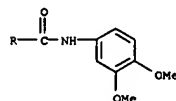
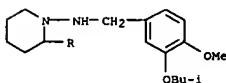
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 59 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 663947-04-4 REGISTRY
 ED Entered STN: 17 Mar 2004
 CN 3-Piperidinecarboxamide, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-1-methyl-
 (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C19 H28 N2 O3
 SR Chemical Library



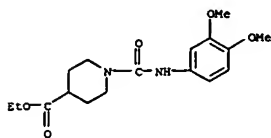
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 60 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 638207-29-1 REGISTRY
 ED Entered STN: 16 Jan 2004
 CN 2-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-[[[4-methoxy-3-(2-methylpropoxy)phenyl]methyl]amino]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C26 H37 N3 O5
 CI COM
 SR CA



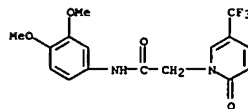
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L33 ANSWER 61 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 634172-26-2 REGISTRY
 ED Entered STN: 05 Jan 2004
 CN 4-Piperidinecarboxylic acid, 1-[[{(3,4-dimethoxyphenyl)amino]carbonyl]-ethyl ester (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C17 H24 N2 O5
 SR Chemical Library
 Supplier: Ambinter
 LC STN Files: CHEMCATS



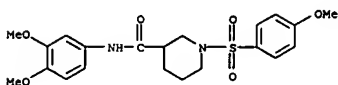
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 62 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 610280-02-9 REGISTRY
 ED Entered STN: 29 Oct 2003
 CN 1(2H)-Pyridineacetamide, N-(3,4-dimethoxyphenyl)-2-oxo-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C16 H15 F3 N2 O4
 SR Chemical Library
 Supplier: Ambinter



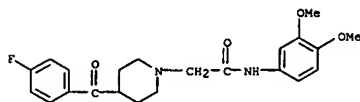
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 63 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 606097-74-9 REGISTRY
 ED Entered STN: 17 Oct 2003
 CN 3-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-[(4-methoxyphenyl)sulfonyl]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C21 H26 N2 O6 S
 SR Chemical Library
 Supplier: AsInEx
 LC STN Files: CHEMCATS



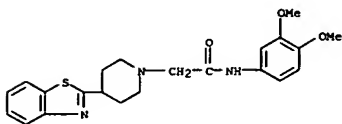
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 64 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 606087-30-3 REGISTRY
 ED Entered STN: 17 Oct 2003
 CN 1-Piperidineacetamide, N-(3,4-dimethoxyphenyl)-4-(4-fluorobenzoyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C22 H25 F N2 O4
 SR Chemical Library
 Supplier: AsInEx
 LC STN Files: CHEMCATS



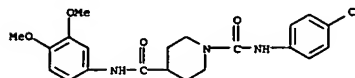
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L33 ANSWER 65 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 606083-43-6 REGISTRY
 ED Entered STN: 17 Oct 2003
 CN 1-Piperidineacetamide, 4-(2-benzothiazolyl)-N-(3,4-dimethoxyphenyl)-
 (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C22 H25 N3 O3 S
 SR Chemical Library
 Supplier: AsInEx
 LC STN Files: CHEMCATS



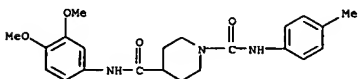
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L33 ANSWER 66 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 605641-98-3 REGISTRY
 ED Entered STN: 16 Oct 2003
 CN 1,4-Piperidinedicarboxamide, N1-(4-chlorophenyl)-N4-(3,4-dimethoxyphenyl)-
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 FS 3D CONCORD
 MF C21 H24 Cl N3 O4
 SR Chemical Library
 Supplier: AsInEx
 LC STN Files: CHEMCATS



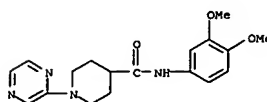
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 67 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 605641-97-2 REGISTRY
 ED Entered STN: 16 Oct 2003
 CN 1,4-Piperidinedicarboxamide, N1-(4-methylphenyl)-N4-(3,4-dimethoxyphenyl)-
 (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C22 H27 N3 O4
 SR Chemical Library
 Supplier: AsInEx
 LC STN Files: CHEMCATS



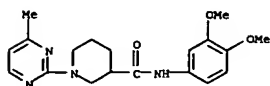
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 68 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 605639-69-8 REGISTRY
 ED Entered STN: 16 Oct 2003
 CN 4-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-pyrazinyl- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C18 H22 N4 O3
 SR Chemical Library
 Supplier: AsInEx
 LC STN Files: CHEMCATS



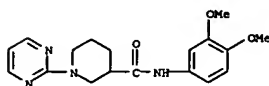
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 69 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 605624-84-8 REGISTRY
 ED Entered STN: 16 Oct 2003
 CN 3-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-(4-methyl-2-pyrimidinyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C19 H24 N4 O3
 SR Chemical Library
 Supplier: AsInEx
 LC STN Files: CHEMCATS



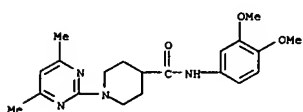
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 70 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 605624-15-5 REGISTRY
 ED Entered STN: 16 Oct 2003
 CN 3-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-(2-pyrimidinyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C18 H22 N4 O3
 SR Chemical Library
 Supplier: AsInEx
 LC STN Files: CHEMCATS



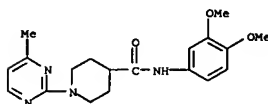
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 71 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 605623-41-4 REGISTRY
 ED Entered STN: 16 Oct 2003
 CN 4-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-(4,6-dimethyl-2-pyrimidinyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C20 H26 N4 O3
 SR Chemical Library
 Supplier: AsInEx
 LC STN Files: CHEMCATS



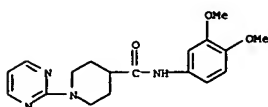
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 72 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 605622-29-5 REGISTRY
 ED Entered STN: 16 Oct 2003
 CN 4-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-(4-methyl-2-pyrimidinyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C19 H24 N4 O3
 SR Chemical Library
 Supplier: AsInEx
 LC STN Files: CHEMCATS



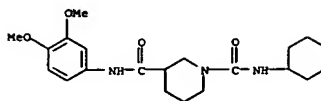
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L33 ANSWER 73 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 605621-42-9 REGISTRY
 ED Entered STN: 16 Oct 2003
 CN 4-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-(2-pyrimidinyl)- (9CI)
 (CA INDEX NAME)
 FS 3D CONCORD
 MF C18 H22 N4 O3
 SR Chemical Library
 Supplier: AsinEx
 LC STN Files: CHEMCATS



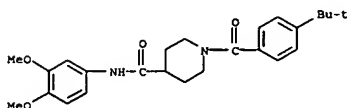
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 74 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 605619-96-3 REGISTRY
 ED Entered STN: 16 Oct 2003
 CN 1,3-Piperidinedicarboxamide, N1-cyclohexyl-N3-(3,4-dimethoxyphenyl)- (9CI)
 (CA INDEX NAME)
 FS 3D CONCORD
 MF C21 H31 N3 O4
 SR Chemical Library
 Supplier: AsinEx
 LC STN Files: CHEMCATS



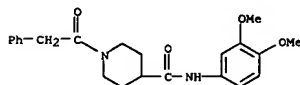
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 75 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 593259-91-7 REGISTRY
 ED Entered STN: 26 Sep 2003
 CN 4-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-[4-(1,1-dimethylethyl)benzoyl]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C25 H32 N2 O4
 SR Chemical Library
 Supplier: AKos Consulting and Solutions GmbH
 LC STN Files: CHEMCATS



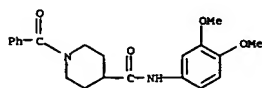
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 76 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 593258-38-9 REGISTRY
 ED Entered STN: 26 Sep 2003
 CN 4-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-(phenylacetyl)- (9CI)
 (CA INDEX NAME)
 FS 3D CONCORD
 MF C22 H26 N2 O4
 SR Chemical Library
 Supplier: AKos Consulting and Solutions GmbH
 LC STN Files: CHEMCATS



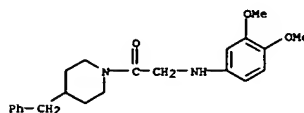
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 77 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 591224-86-1 REGISTRY
 ED Entered STN: 23 Sep 2003
 CN 4-Piperidinecarboxamide, 1-benzoyl-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C21 H24 N2 O4
 SR Chemical Library
 Supplier: AKos Consulting and Solutions GmbH
 LC STN Files: CHEMCATS



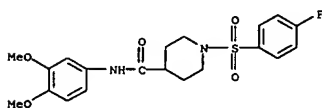
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 78 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 554423-07-3 REGISTRY
 ED Entered STN: 25 Jul 2003
 CN Piperidine, 1-[[[(3,4-dimethoxyphenyl)amino]acetyl]-4-(phenylmethyl)- (9CI)
 (CA INDEX NAME)
 FS 3D CONCORD
 MF C22 H28 N2 O3
 SR Chemical Library
 Supplier: Ambinter



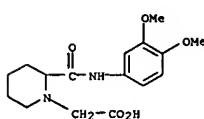
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 79 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 551931-53-4 REGISTRY
 ED Entered STN: 21 Jul 2003
 CN 4-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-[[[4-fluorophenyl)sulfonyl]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C20 H23 F N2 O5
 SR Chemical Library
 Supplier: Ambinter
 LC STN Files: CHEMCATS



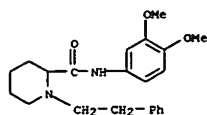
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 80 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 497847-55-9 REGISTRY
 ED Entered STN: 11 Mar 2003
 CN 1-Piperidineacetic acid, 2-[[[(3,4-dimethoxyphenyl)amino]carbonyl]- (9CI)
 (CA INDEX NAME)
 FS 3D CONCORD
 MF C16 H22 N2 O5
 SR Chemical Library
 Supplier: Interchim
 LC STN Files: CHEMCATS



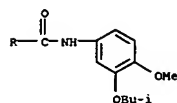
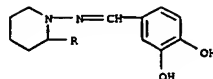
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 81 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 497847-53-7 REGISTRY
 ED Entered STN: 11 Mar 2003
 CN 2-Piperidinecarboxamide, N-[(3,4-dimethoxyphenyl)-1-(2-phenylethyl)- (9CI)
 (CA INDEX NAME)
 FS 3D CONCORD
 MF C22 H28 N2 O3
 SR Chemical Library
 Supplier: Interchim
 LC STN Files: CHEMCATS



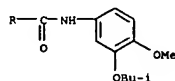
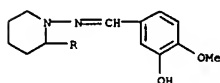
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 82 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 488782-82-7 REGISTRY
 ED Entered STN: 12 Feb 2003
 CN 2-Piperidinecarboxamide, 1-[[[(3,4-dihydroxyphenyl)methylene]amino]-N-[4-methoxy-3-(2-methylpropoxy)phenyl]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C24 H31 N3 O5
 SR Chemical Library
 Supplier: Interchim
 LC STN Files: CHEMCATS



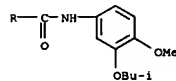
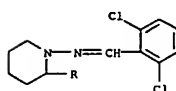
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 83 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 488782-81-6 REGISTRY
 ED Entered STN: 12 Feb 2003
 CN 2-Piperidinecarboxamide, 1-[[[(3-hydroxy-4-methoxyphenyl)methylene]amino]-N-[4-methoxy-3-(2-methylpropoxy)phenyl]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C25 H33 N3 O5
 SR Chemical Library
 Supplier: Interchim
 LC STN Files: CHEMCATS



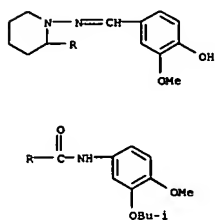
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 84 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 488782-80-5 REGISTRY
 ED Entered STN: 12 Feb 2003
 CN 2-Piperidinecarboxamide, 1-[[[(2,6-dichlorophenyl)methylene]amino]-N-[4-methoxy-3-(2-methylpropoxy)phenyl]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C24 H29 Cl2 N3 O3
 SR Chemical Library
 Supplier: Interchim
 LC STN Files: CHEMCATS



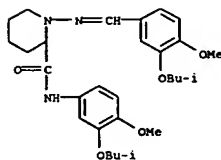
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 85 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 487039-98-5 REGISTRY
 ED Entered STN: 07 Feb 2003
 CN 2-Piperidinecarboxamide, 1-[[[4-(4-hydroxy-3-methoxyphenyl)methylene]amino]-N-(4-methoxy-3-(2-methylpropoxy)phenyl)]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C25 H33 N3 O5
 SR Chemical Library
 Supplier: Interchim



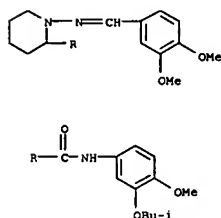
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 86 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 487039-97-4 REGISTRY
 ED Entered STN: 07 Feb 2003
 CN 2-Piperidinecarboxamide, N-[[4-methoxy-3-(2-methylpropoxy)phenyl]-1-[[[4-methoxy-3-(2-methylpropoxy)phenyl)methylene]amino]]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C29 H41 N3 O5
 SR Chemical Library
 Supplier: Interchim
 LC STN Files: CHEMCATS



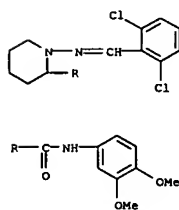
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 87 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 487039-96-3 REGISTRY
 ED Entered STN: 07 Feb 2003
 CN 2-Piperidinecarboxamide, 1-[[[3,4-dimethoxyphenyl)methylene]amino]-N-(4-methoxy-3-(2-methylpropoxy)phenyl)]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C26 H35 N3 O5
 SR Chemical Library
 Supplier: Interchim
 LC STN Files: CHEMCATS



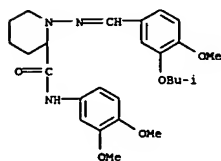
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 88 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 473574-23-1 REGISTRY
 ED Entered STN: 14 Nov 2002
 CN 2-Piperidinecarboxamide, 1-[[[2,6-dichlorophenyl)methylene]amino]-N-(3,4-dimethoxyphenyl)]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C21 H23 Cl2 N3 O3
 SR Chemical Library
 Supplier: ChemBridge Corporation
 LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 89 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 473573-49-8 REGISTRY
 ED Entered STN: 14 Nov 2002
 CN 2-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-[[[4-methoxy-3-(2-methylpropoxy)phenyl]methylene]amino]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C26 H35 N3 O5
 SR Chemical Library
 Supplier: ChemBridge Corporation
 LC STN Files: CHEMCATS

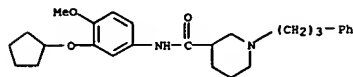


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 90 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 471916-59-3 REGISTRY
 ED Entered STN: 08 Nov 2002
 CN 3-Piperidinecarboxamide, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-1-(3-phenylpropyl)-, 2-butenedioate (1:1) (9CI) (CA INDEX NAME)
 MF C27 H36 N2 O3 . C4 H4 O4
 SR Chemical Library
 Supplier: ChemBridge Corporation
 LC STN Files: CHEMCATS

CM 1

CRN 451461-70-4
 CMF C27 H36 N2 O3



CM 2

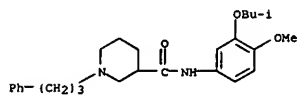
CRN 6915-18-0
 CMF C4 H4 O4

HO₂C-CH=CH-CO₂H

L33 ANSWER 91 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 471916-49-1 REGISTRY
 ED Entered STN: 08 Nov 2002
 CN 3-Piperidinecarboxamide, N-[4-methoxy-3-(2-methylpropoxy)phenyl]-1-(3-phenylpropyl)-, 2-butenedioate (1:1) (9CI) (CA INDEX NAME)
 MF C26 H36 N2 O3 . C4 H4 O4
 SR Chemical Library
 Supplier: ChemBridge Corporation
 LC STN Files: CHEMCATS

CM 1

CRN 451460-27-8
 CMF C26 H36 N2 O3



CM 2

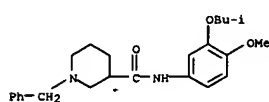
CRN 6915-18-0
 CMF C4 H4 O4

HO₂C-CH=CH-CO₂H

L33 ANSWER 92 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 471916-31-1 REGISTRY
 ED Entered STN: 08 Nov 2002
 CN 3-Piperidinecarboxamide, N-[4-methoxy-3-(2-methylpropoxy)phenyl]-1-(phenylmethyl)-, 2-butenedioate (1:1) (9CI) (CA INDEX NAME)
 MF C24 H32 N2 O3 . C4 H4 O4
 SR Chemical Library
 Supplier: ChemBridge Corporation
 LC STN Files: CHEMCATS

CM 1

CRN 371935-97-6
 CMF C24 H32 N2 O3



CM 2

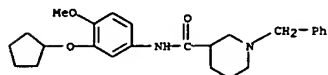
CRN 6915-18-0
 CMF C4 H4 O4

HO₂C-CH=CH-CO₂H

L33 ANSWER 93 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 471916-14-0 REGISTRY
 ED Entered STN: 08 Nov 2002
 CN 3-Piperidinecarboxamide, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-1-(phenylmethyl)-, 2-butenedioate (1:1) (9CI) (CA INDEX NAME)
 MF C25 H32 N2 O3 . C4 H4 O4
 SR Chemical Library
 Supplier: ChemBridge Corporation
 LC STN Files: CHEMCATS

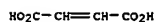
CM 1

CRN 451461-69-1
 CMF C25 H32 N2 O3

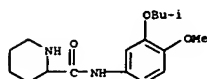


CM 2

CRN 6915-18-0
 CMF C4 H4 O4

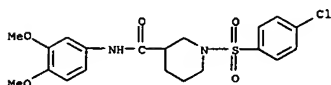


L33 ANSWER 94 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 470692-39-8 REGISTRY
 ED Entered STN: 06 Nov 2002
 CN 2-Piperidinecarboxamide, N-(4-methoxy-3-(2-methylpropoxy)phenyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C17 H26 N2 O3
 SR Chemical Library
 Supplier: ChemBridge Corporation
 LC STN Files: CHEMCATS



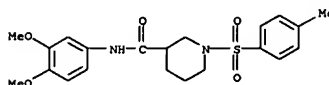
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 95 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 460327-40-6 REGISTRY
 ED Entered STN: 10 Oct 2002
 CN 3-Piperidinecarboxamide, 1-[(4-chlorophenyl)sulfonyl]-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C20 H23 Cl N2 O5 S
 SR Chemical Library
 Supplier: Ambinter



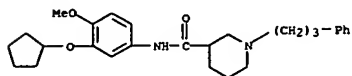
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 96 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 460327-05-3 REGISTRY
 ED Entered STN: 10 Oct 2002
 CN 3-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-[(4-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C21 H26 N2 O5 S
 SR Chemical Library
 Supplier: Ambinter
 LC STN Files: CHEMCATS



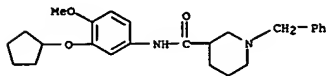
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 97 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 451461-70-4 REGISTRY
 ED Entered STN: 16 Sep 2002
 CN 3-Piperidinecarboxamide, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-1-(3-phenylpropyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C27 H36 N2 O3
 CI COM
 SR Chemical Library
 Supplier: Ambinter
 LC STN Files: CHEMCATS



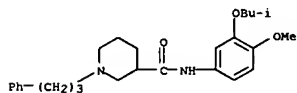
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 98 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 451461-69-1 REGISTRY
 ED Entered STN: 16 Sep 2002
 CN 3-Piperidinecarboxamide, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-1-(phenylmethyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C25 H32 N2 O3
 CI COM
 SR Chemical Library
 Supplier: Ambinter
 LC STN Files: CHEMCATS



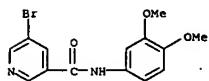
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 99 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 451460-27-8 REGISTRY
 ED Entered STN: 16 Sep 2002
 CN 3-Piperidinecarboxamide, N-(4-methoxy-3-(2-methylpropoxy)phenyl)-1-(3-phenylpropyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C26 H36 N2 O3
 CI COM
 SR Chemical Library
 Supplier: PHARMEKS Ltd.
 LC STN Files: CHEMCATS



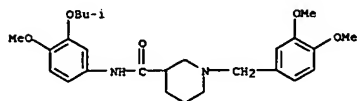
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 100 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 449177-04-2 REGISTRY
 ED Entered STN: 11 Sep 2002
 CN 3-Pyridinecarboxamide, 5-bromo-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C14 H13 Br N2 O3
 SR Chemical Library
 Supplier: Ambinter
 LC STN Files: CHEMCATS



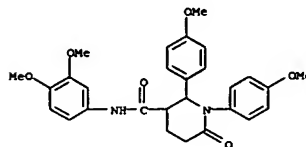
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 101 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 443748-92-3 REGISTRY
 ED Entered STN: 13 Aug 2002
 CN 3-Piperidinecarboxamide,
 1-[(3,4-dimethoxyphenyl)methyl]-N-[4-methoxy-3-(2-
 methylpropoxy)phenyl]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C26 H36 N2 O5
 SR Chemical Library
 Supplier: Ambinter
 LC STN Files: CHEMCATS



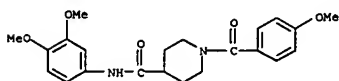
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 102 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 442859-68-9 REGISTRY
 ED Entered STN: 07 Aug 2002
 CN 3-Piperidinecarboxamide,
 N-(3,4-dimethoxyphenyl)-1,2-bis(4-methoxyphenyl)-
 6-oxo- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C28 H30 N2 O6
 SR Chemical Library
 Supplier: Interchim
 LC STN Files: CHEMCATS



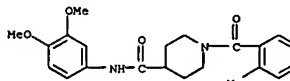
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 103 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 433975-25-8 REGISTRY
 ED Entered STN: 26 Jun 2002
 CN 4-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-(4-methoxybenzoyl)-
 (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C22 H26 N2 O5
 SR Chemical Library
 Supplier: ChemBridge Corporation
 LC STN Files: CHEMCATS



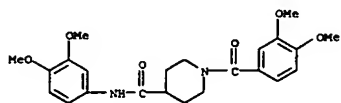
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 104 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 433970-83-3 REGISTRY
 ED Entered STN: 26 Jun 2002
 CN 4-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-(2-methylbenzoyl)-
 (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C22 H26 N2 O4
 SR Chemical Library
 Supplier: ChemBridge Corporation
 LC STN Files: CHEMCATS



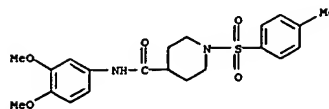
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 105 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 433942-49-5 REGISTRY
 ED Entered STN: 26 Jun 2002
 CN 4-Piperidinecarboxamide, 1-[(3,4-dimethoxybenzoyl)-N-(3,4-dimethoxyphenyl)]-
 (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C23 H28 N2 O6
 SR Chemical Library
 Supplier: Interchim
 LC STN Files: CHEMCATS



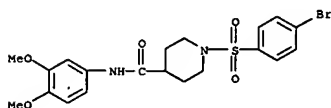
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 106 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 433941-61-8 REGISTRY
 ED Entered STN: 26 Jun 2002
 CN 4-Piperidinecarboxamide, N-[(3,4-dimethoxyphenyl)-1-[(4-methylphenyl)sulfonyl]]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C21 H26 N2 O5 S
 SR Chemical Library
 Supplier: Interchim
 LC STN Files: CHEMCATS



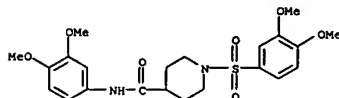
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 107 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 433694-85-0 REGISTRY
 ED Entered STN: 26 Jun 2002
 CN 4-Piperidinecarboxamide, 1-[(4-bromophenyl)sulfonyl]-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C20 H23 Br N2 O5 S
 SR Chemical Library
 Supplier: ChemBridge Corporation
 LC STN Files: CHEMCATS



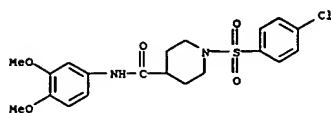
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 108 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 433691-99-7 REGISTRY
 ED Entered STN: 26 Jun 2002
 CN 4-Piperidinecarboxamide, N-[(3,4-dimethoxyphenyl)-1-[(3,4-dimethoxyphenyl)sulfonyl]]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C22 H28 N2 O7 S
 SR Chemical Library
 Supplier: ChemBridge Corporation
 LC STN Files: CHEMCATS



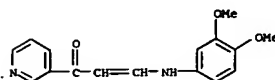
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 109 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 433688-84-7 REGISTRY
 ED Entered STN: 26 Jun 2002
 CN 4-Piperidinecarboxamide, 1-[(4-chlorophenyl)sulfonyl]-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C20 H23 Cl N2 O5 S
 SR Chemical Library
 Supplier: Interchim
 LC STN Files: CHEMCATS



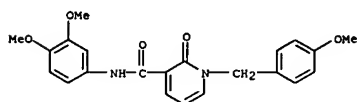
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 110 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 428829-74-7 REGISTRY
 ED Entered STN: 12 Jun 2002
 CN 2-Propen-1-one, 3-[(3,4-dimethoxyphenyl)amino]-1-(3-pyridinyl)- (9CI)
 (CA INDEX NAME)
 FS 3D CONCORD
 MF C16 H16 N2 O3
 SR Chemical Library
 Supplier: ChemBridge Corporation
 LC STN Files: CHEMCATS



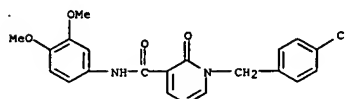
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 111 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 400077-75-0 REGISTRY
 ED Entered STN: 11 Mar 2002
 CN 3-Pyridinecarboxamide, N-[(3,4-dimethoxyphenyl)-1,2-dihydro-1-[(4-methoxyphenyl)methyl]-2-oxo- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C22 H22 N2 O5
 SR Chemical Library
 Supplier: Bionet Research Ltd.
 LC STN Files: CHEMCATS



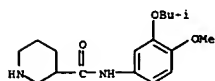
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 112 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 400077-71-6 REGISTRY
 ED Entered STN: 11 Mar 2002
 CN 3-Pyridinecarboxamide, 1-[(4-chlorophenyl)methyl]-N-(3,4-dimethoxyphenyl)-1,2-dihydro-2-oxo- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C21 H19 Cl N2 O4
 SR Chemical Library
 Supplier: Bionet Research Ltd.
 LC STN Files: CHEMCATS



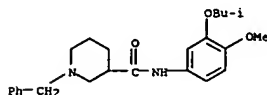
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 113 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 389138-60-7 REGISTRY
 ED Entered STN: 04 Feb 2002
 CN 3-Piperidinecarboxamide, N-[4-methoxy-3-(2-methylpropoxy)phenyl]- (9CI)
 (CA INDEX NAME)
 FS 3D CONCORD
 MF C17 H26 N2 O3
 SR Chemical Library
 Supplier: Interchim
 LC STN Files: CHEMCATS



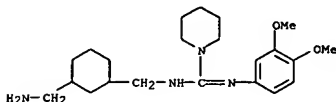
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 114 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 371935-97-6 REGISTRY
 ED Entered STN: 27 Nov 2001
 CN 3-Piperidinecarboxamide, N-[4-methoxy-3-(2-methylpropoxy)phenyl]-1-phenylmethyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C24 H32 N2 O3
 CI COM
 SR Chemical Library
 Supplier: Interbioscreen Ltd.
 LC STN Files: CHEMCATS



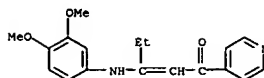
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 115 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 361358-65-8 REGISTRY
 ED Entered STN: 10 Oct 2001
 CN 1-Piperidinecarboximidamide, N-[[3-(aminomethyl)cyclohexylmethyl]-N'-(3,4-dimethoxyphenyl)]- (9CI) (CA INDEX NAME)
 MF C22 H36 N4 O2
 SR Chemical Library
 Supplier: LION bioscience AG



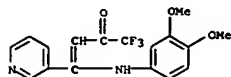
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 116 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 358355-63-2 REGISTRY
 ED Entered STN: 24 Sep 2001
 CN 2-Penten-1-one, 3-[(3,4-dimethoxyphenyl)amino]-1-(4-pyridinyl)- (9CI)
 (CA INDEX NAME)
 FS 3D CONCORD
 MF C18 H20 N2 O3
 SR Chemical Library



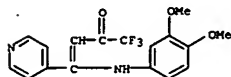
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 117 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 358354-74-2 REGISTRY
 ED Entered STN: 24 Sep 2001
 CN 3-Buten-2-one, 4-[(3,4-dimethoxyphenyl)amino]-1,1,1-trifluoro-4-(3-pyridinyl)- (9CI) (CA INDEX NAME)
 MF C17 H15 F3 N2 O3
 SR Chemical Library



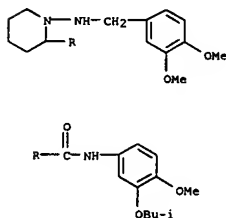
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 118 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 357651-78-6 REGISTRY
 ED Entered STN: 20 Sep 2001
 CN 3-Buten-2-one, 4-[(3,4-dimethoxyphenyl)amino]-1,1,1-trifluoro-4-(4-pyridinyl)- (9CI) (CA INDEX NAME)
 MF C17 H15 F3 N2 O3
 SR Chemical Library



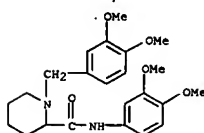
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 119 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 353778-71-9 REGISTRY
 ED Entered STN: 30 Aug 2001
 CN 2-Piperidinecarboxamide, 1-[(3,4-dimethoxyphenyl)methyl]amino)-N-[4-methoxy-3-(2-methylpropoxy)phenyl]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C26 H37 N3 O5
 CI COM
 SR Chemical Library
 Supplier: Interchim
 LC STN Files: CHEMCATS



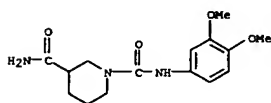
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 120 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 353450-66-5 REGISTRY
 ED Entered STN: 29 Aug 2001
 CN 2-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-[(3,4-dimethoxyphenyl)methyl]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C23 H30 N2 O5
 SR Chemical Library
 Supplier: ChemDiv, Inc.
 LC STN Files: CHEMCATS



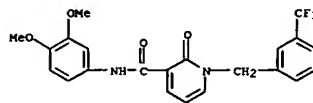
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 121 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 346443-22-9 REGISTRY
 ED Entered STN: 17 Jul 2001
 CN 1,3-Piperidinedicarboxamide, N1-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C15 H21 N3 O4
 SR Chemical Library
 Supplier: Scientific Exchange, Inc.
 LC STN Files: CHEMCATS



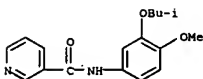
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 122 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 339027-73-5 REGISTRY
 ED Entered STN: 30 May 2001
 CN 3-Pyridinecarboxamide, N-([3,4-dimethoxyphenyl]-1,2-dihydro-2-oxo-1-[(3-(trifluoromethyl)phenyl)methyl])- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C22 H19 F3 N2 O4
 SR Chemical Library
 Supplier: Bionet Research Ltd.
 LC STN Files: CHEMCATS



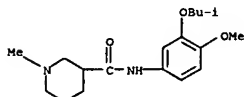
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 123 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 332040-93-4 REGISTRY
 ED Entered STN: 23 Apr 2001
 CN 3-Pyridinecarboxamide, N-[4-methoxy-3-(2-methylpropoxy)phenyl]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C17 H20 N2 O3
 SR Chemical Library
 Supplier: AsInEx
 LC STN Files: CHEMCATS



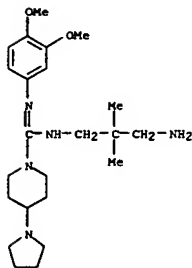
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 124 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 332040-92-3 REGISTRY
 ED Entered STN: 23 Apr 2001
 CN 3-Piperidinecarboxamide, N-[4-methoxy-3-(2-methylpropoxy)phenyl]-1-methyl- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C18 H28 N2 O3
 SR Chemical Library
 Supplier: AsInEx
 LC STN Files: CHEMCATS



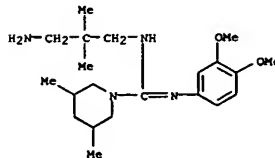
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 125 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 329248-87-5 REGISTRY
 ED Entered STN: 28 Mar 2001
 CN 1-Piperidinecarboximidamide, N-(3-amino-2,2-dimethylpropyl)-N'-(3,4-dimethoxyphenyl)-4-(1-pyrrolidinyl)- (9CI) (CA INDEX NAME)
 MF C23 H39 N5 O2
 SR Chemical Library
 Supplier: LION bioscience AG



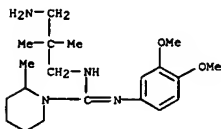
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 126 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 329248-82-0 REGISTRY
 ED Entered STN: 28 Mar 2001
 CN 1-Piperidinecarboximidamide, N-(3-amino-2,2-dimethylpropyl)-N'-(3,4-dimethoxyphenyl)-3,5-dimethyl- (9CI) (CA INDEX NAME)
 MF C21 H36 N4 O2
 SR Chemical Library
 Supplier: LION bioscience AG



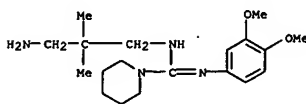
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 127 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 329248-81-9 REGISTRY
 ED Entered STN: 28 Mar 2001
 CN 1-Piperidinecarboximidamide, N-(3-amino-2,2-dimethylpropyl)-N'-(3,4-dimethoxyphenyl)-2-methyl- (9CI) (CA INDEX NAME)
 MF C20 H34 N4 O2
 SR Chemical Library
 Supplier: LION bioscience AG



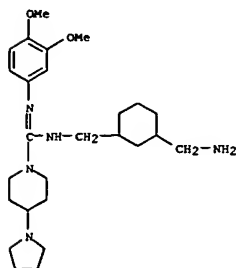
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 128 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 329248-80-8 REGISTRY
 ED Entered STN: 28 Mar 2001
 CN 1-Piperidinecarboximidamide, N-(3-amino-2,2-dimethylpropyl)-N'-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)
 MF C19 H32 N4 O2
 SR Chemical Library
 Supplier: LION bioscience AG



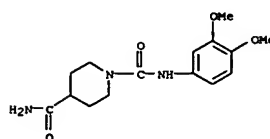
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 129 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 329029-28-9 REGISTRY
 ED Entered STN: 27 Mar 2001
 CN 1-Piperidinecarboximidamide,
 N-[[3-(aminomethyl)cyclohexylmethyl]-N'-(3,4-
 dimethoxyphenyl)-4-(1-pyrrolidinyl)- (9CI) (CA INDEX NAME)
 MF C26 H43 N5 O2
 SR Chemical Library



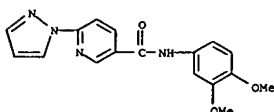
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 130 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 329287-65-6 REGISTRY
 ED Entered STN: 21 Mar 2001
 CN 1,4-Piperidinedicarboxamide, N1-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C15 H21 N3 O4
 SR Chemical Library
 Supplier: TimTec, Inc.
 LC STN Files: CHEMCATS



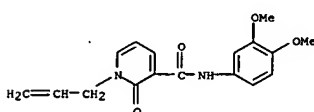
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 131 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 321533-69-1 REGISTRY
 ED Entered STN: 13 Feb 2001
 CN 3-Pyridinecarboxamide, N-(3,4-dimethoxyphenyl)-6-(1H-pyrazol-1-yl)- (9CI)
 (CA INDEX NAME)
 FS 3D CONCORD
 MF C17 H16 N4 O3
 SR Chemical Library
 Supplier: Bionet Research Ltd.
 LC STN Files: CHEMCATS



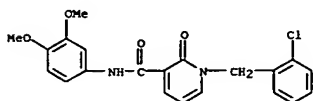
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 132 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 320419-90-7 REGISTRY
 ED Entered STN: 06 Feb 2001
 CN 3-Pyridinecarboxamide, N-(3,4-dimethoxyphenyl)-1,2-dihydro-2-oxo-1-(2-propenyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C17 H18 N2 O4
 SR Chemical Library
 Supplier: Bionet Research Ltd.
 LC STN Files: CHEMCATS



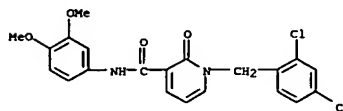
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 133 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 320419-77-0 REGISTRY
 ED Entered STN: 06 Feb 2001
 CN 3-Pyridinecarboxamide, 1-[(2-chlorophenyl)methyl]-N-(3,4-dimethoxyphenyl)-1,2-dihydro-2-oxo- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C21 H19 Cl N2 O4
 SR Chemical Library
 Supplier: Bionet Research Ltd.
 LC STN Files: CHEMCATS



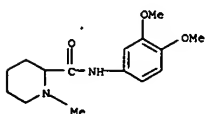
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 134 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 320419-63-4 REGISTRY
 ED Entered STN: 06 Feb 2001
 CN 3-Pyridinecarboxamide, 1-[(2,4-dichlorophenyl)methyl]-N-(3,4-dimethoxyphenyl)-1,2-dihydro-2-oxo- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C21 H18 Cl2 N2 O4
 SR Chemical Library
 Supplier: Bionet Research Ltd.
 LC STN Files: CHEMCATS



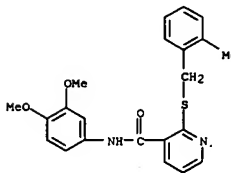
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 135 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 313270-96-1 REGISTRY
 ED Entered STN: 09 Jan 2001
 CN 2-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-methyl- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C15 H22 N2 O3
 SR Chemical Library
 Supplier: ChemBridge Corporation
 LC STN Files: CHEMCATS



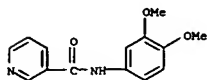
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 136 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 312921-59-8 REGISTRY
 ED Entered STN: 05 Jan 2001
 CN 3-Pyridinecarboxamide, N-(3,4-dimethoxyphenyl)-2-[(2-methylphenyl)methylthio]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C22 H22 N2 O3 S
 SR Chemical Library
 Supplier: Interchim



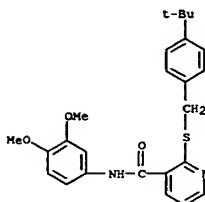
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 137 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 312587-66-9 REGISTRY
 ED Entered STN: 03 Jan 2001
 CN 3-Pyridinecarboxamide, N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C14 H14 N2 O3
 SR Chemical Library
 Supplier: AsinEx
 LC STN Files: CHEMCATS



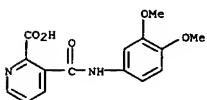
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 138 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 310451-62-8 REGISTRY
 ED Entered STN: 21 Dec 2000
 CN 3-Pyridinecarboxamide, N-([4-(1,1-dimethylethyl)phenyl]methylthio)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C25 H28 N2 O3 S
 SR Chemical Library
 Supplier: ChemDiv, Inc.
 LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

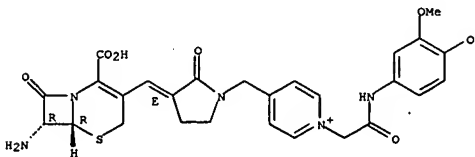
L33 ANSWER 139 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 305849-60-9 REGISTRY
 ED Entered STN: 01 Dec 2000
 CN 2-Pyridinecarboxylic acid, 3-([(3,4-dimethoxyphenyl)amino]carbonyl)- (9CI)
 FS (CA INDEX NAME)
 MF C15 H14 N2 O5
 SR Chemical Library
 Supplier: Florida Center for Heterocyclic Compounds, Department of Chemistry, University of Florida
 LC STN Files: CHEMCATS



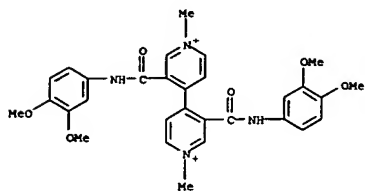
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L33 ANSWER 140 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 206993-74-0 REGISTRY
 ED Entered STN: 11 Jun 1998
 CN Pyridinium, 4-([(3E)-3-([(6R,7R)-7-amino-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl)methylene]-2-oxo-1-pyrrolidinyl)methyl]-1-[2-[(4-hydroxy-3-methoxyphenyl)amino]-2-oxoethyl]- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Pyridinium,
 4-([(3-([(7-amino-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl)methylene]-2-oxo-1-pyrrolidinyl)methyl)-1-[2-[(4-hydroxy-3-methoxyphenyl)amino]-2-oxoethyl]-, [6R-[3(E),6a,7R]]-
 FS STEREOSEARCH
 MF C27 H28 N5 O7 S
 CI COM
 SR CA

Absolute stereochemistry.
 Double bond geometry as shown.



L33 ANSWER 141 OF 141 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 160252-24-4 REGISTRY
 ED Entered STN: 20 Jan 1995
 CN 4,4'-Bipyridinium, 3,3'-bis(((3,4-dimethoxyphenyl)amino)carbonyl)-1,1'-dimethyl- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C30 H32 N4 O6
 CI COM
 SR CA



=> fil caplus
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
381.20	1093.04

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-54.02

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FILE LAST UPDATED: 22 Nov 2005 (20051122/ED)

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=> s l31

L34 61 L31

=> d his

(FILE 'HOME' ENTERED AT 07:53:03 ON 23 NOV 2005)

FILE 'REGISTRY' ENTERED AT 07:53:12 ON 23 NOV 2005

L1	STRUCTURE UPLOADED
L2	50 S L1
L3	14295 S L1 FULL
L4	STRUCTURE UPLOADED
L5	7035 S L4 FULL SUB=L3
L6	STRUCTURE UPLOADED
L7	1903 S L6 FULL SUB=L3
L8	3588 S L5 AND CAPLUS/LC
L9	1564 S L7 AND CAPLUS/LC

FILE 'CAPLUS' ENTERED AT 07:57:40 ON 23 NOV 2005

L10	1666 S L8
L11	490 S L9

FILE 'STNGUIDE' ENTERED AT 07:59:23 ON 23 NOV 2005

FILE 'REGISTRY' ENTERED AT 08:07:31 ON 23 NOV 2005

L12	STRUCTURE UPLOADED
L13	118 S L12 FULL SUB=L3


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L14      116 S L13 AND CAPLUS/LC
L15      2 S L13 NOT L14

FILE 'CAPLUS' ENTERED AT 08:12:00 ON 23 NOV 2005
L16      24 S L14

FILE 'REGISTRY' ENTERED AT 08:13:15 ON 23 NOV 2005
L17      STRUCTURE UPLOADED
L18      444 S L17 FULL SUB=L3
L19      326 S L18 NOT L13
L20      326 S L19 AND CAPLUS/LC

FILE 'CAPLUS' ENTERED AT 08:14:03 ON 23 NOV 2005
L21      8 S L20
L22      5 S L21 NOT L16

FILE 'REGISTRY' ENTERED AT 08:16:05 ON 23 NOV 2005
L23      STRUCTURE UPLOADED
L24      7112 S L23 FULL SUB=L3
L25      6668 S L24 NOT L18
L26      6668 S L25 NOT L13
L27      STRUCTURE UPLOADED
L28      1719 S L27 FULL SUB=L26
L29      STRUCTURE UPLOADED
L30      271 S L29 FULL SUB=L28
L31      130 S L30 AND CAPLUS/LC
L32      0 S L31 NOT L30
L33      141 S L30 NOT L31

FILE 'CAPLUS' ENTERED AT 08:20:18 ON 23 NOV 2005
L34      61 S L31

=> s l31 not l16
      61 L31
L35      59 L31 NOT L16

=> s l35 not l21
L36      58 L35 NOT L21

=> d ibib abs hitstr 1-58

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ACCESSION NUMBER: 2005:314862 CAPLUS
 DOCUMENT NUMBER: 142:392289
 TITLE: Preparation of (hetero)aryl amides as ion channel ligands
 INVENTOR(S): Kelly, Michael; Janagani, Satyanarayana; Wu, Guoxian;
 Kincaid, John
 PATENT ASSIGNEE(S): Renovis, Inc., USA
 SOURCE: Brit. UK Pat. Appl., 131 pp.
 CODEN: BAOXDU
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2406856	A1	20050413	GB 2004-22296	20041007
GB 2406856	B2	20051019		
WO 2005032493	A2	20050414	WO 2004-US33403	20041007
WO 2005032493	C1	20050630		
WO 2005032493	A3	20050909		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005034870	A2	20050421	WO 2004-US33099	20041007
WO 2005034870	A3	20050623		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

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US 2005192293 A1 20050901 US 2004-962195 20041007
 US 2005197364 A1 20050908 US 2004-961817 20041007
 GB 2413129 A1 20051019 GB 2005-9754 20041007
 PRIORITY APPLN. INFO.: US 2003-508865P P 20031007
 US 2004-575937P P 20040601
 GB 2004-22296 A3 20041007

OTHER SOURCE(S): MARPAT 142:392289
 GI

ACCESSION NUMBER: 2005:300441 CAPLUS
 DOCUMENT NUMBER: 142:355279
 TITLE: A preparation of quinazoline derivatives, useful for prevention or treatment of tumors sensitive to inhibition of ErbB receptor tyrosine kinases
 INVENTOR(S): Barlaam, Bernard Christophe; Halsall, Christopher
 Thomas; Hennequin, Laurent Francois Andre
 PATENT ASSIGNEE(S): AstraZeneca AB, Swed.; AstraZeneca UK Ltd.
 SOURCE: PCT Int. Appl., 139 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005030765	A1	20050407	WO 2004-GB4137	20040922

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

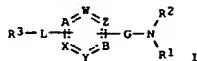
PRIORITY APPLN. INFO.: GB 2003-22409 A 20030925

OTHER SOURCE(S): MARPAT 142:355279
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* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

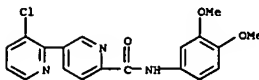
AB The invention relates to a preparation of quinazoline derivs. of formula I
 I
 [wherein: one of R1 or R4 is (un)substituted (cyclo)alkoxy group; R2 is H or alkyl; R3 is Ph with 1 to 5 same or different substituents], useful for prevention or treatment of tumors sensitive to inhibition of ErbB receptor tyrosine kinases (antiproliferative agents). For instance, quinazoline derivative II (inhibition of tyrosine kinase protein phosphorylation):
 IC50 = 14 nM; EGFR driven KB cell proliferation: IC50 = 16 nM) was prepared via amidation of 2-pyridinecarboxylic acid by piperidine derivative III with a yield of 30%.

IT 849148-10-3P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of quinazoline derivs. useful as antiproliferative agents)
 RN 849148-10-3 CAPLUS



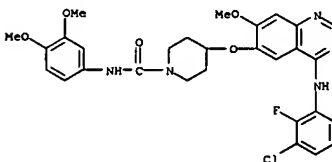
AB Title compds. I [A = N, CR4, a carbon atom bound to L, or is not an atom; one of W, Z, B, Y, X = carbon atom bound to L if A is not an atom, another: of W, Z, B, Y, X = carbon atom bound to G, and each of the remaining W, Z, B, Y and X is independently N or CR4; L = bond, (CH2)n; n = 1-3; G = CO, CS, SO2; R1 = alkyl, heteroalkyl, aryl, etc.; R2 = H, alkyl; R3 = alkyl, heteroalkyl, aryl, etc.; R4 = H, alkyl, etc.] are prepared For instance, 4-(3-chloropyridin-2-yl)-N-(4-(trifluoromethyl)phenyl)benzamide (II) is prepared from 4-(3-chloropyridin-2-yl)benzoic acid (preparation given) and 4-trifluoromethylaniline (CH2Cl2, CO2Cl2, DMF). II did not significantly inhibit CYP2C9, CYP2D6 and CYP3A4 but exhibits inhibition for CYP2C19 (IC50 = 26.85 μM) and CYP1A2 (IC50 = 97.45 μM). I are useful in the treatment of pain, inflammation and traumatic injury.

IT 849756-96-3P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of (hetero)aryl amides as ion channel ligands)
 RN 849756-96-3 CAPLUS
 CN [2,3'-Bipyridine]-6'-carboxamide, 3-chloro-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT

CN 1-Piperidinecarboxamide, 4-[[4-[[3-chloro-2-(fluorophenyl)amino]-7-methoxy-6-quinazolinyl]oxy]-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
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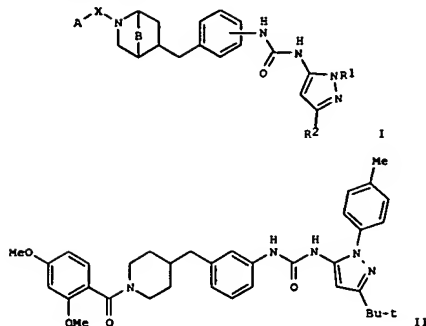
L36 ANSWER 3 OF 58 CAPIUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2004:1015876 CAPIUS
 DOCUMENT NUMBER: 142:23273
 TITLE: Preparation of pyrazolyl phenyl urea derivatives as inhibitors of p38 kinase and/or tumor necrosis factor (TNF) inhibitors for the treatment of inflammations
 INVENTOR(S): Borchering, David R.; Gross, Alexandre; Shum, Patrick
 PATENT ASSIGNEE(S): Wai-Kwok; Willard, Nicole; Freed, Brian S.
 SOURCE: Aventis Pharmaceuticals Inc., USA
 PCT Int. Appl., 235 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004100946	A1	20041125	WO 2004-US13875	20040505
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, GU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN. INFO.: US 2003-468285P P 20030506

OTHER SOURCE(S): MARPAT 142:23273
 GI

L36 ANSWER 3 OF 58 CAPIUS COPYRIGHT 2005 ACS on STN (Continued)

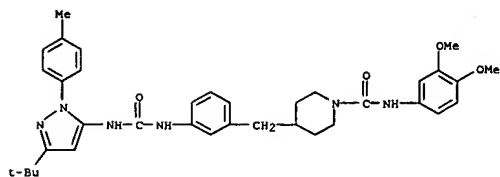


AB Title compds. I [Wherein R1 = (cyclo)alkyl, (un)substituted aryl or pyridyl; R2 = (un)substituted (cyclo)alkyl; X = C(O), C(O)CH2, S(O)2, or NHC(O); A = (un)substituted alk(en)ynyl; B = (CH2)n; n = 0 or 2; et al., or pharmaceutically acceptable salts, solvates or ester prodrugs thereof; or ester prodrugs of such salts or solvates], useful as inhibitors of p38 kinase and/or tumor necrosis factor (TNF), were prepared Thus, condensation of 4-methylenepiperidine hydrochloride with 2,4-dimethoxybenzoyl chloride followed by addition reaction with 9-BBN and subsequent Pd-catalyzed coupling with m-bromoaniline gave an aniline derivative This compound underwent addition reaction with 5-isocyanato-3-tert-butyl-1-(4-methylphenyl)pyrazole to afford urea II. Compds. I were tested in several biol. assays. E.g., I showed 50% inhibition at the concns. of 0.3-10000 nM in the p38 cascade assay, at the concns. of 10-50000 nM in the murine p38 assay, and at the concns. of 10-50000 nM in the LPS-induced TNF α assay. Pharmaceutical compns. comprising I are useful in the treatment of disease states capable of being modulated by the inhibition of p38 kinase and/or tumor necrosis factor (TNF), such as asthma and joint inflammation.

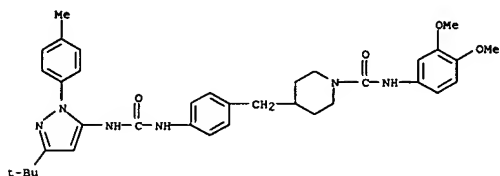
IT 799288-31-6P 799288-68-9P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (inhibitor; preparation of pyrazolyl Ph urea derivs. as inhibitors of p38 kinase and/or tumor necrosis factor (TNF))

RN 799288-31-6 CAPIUS
 CN 1-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-4-[[[3-(1,1-dimethylethyl)-1-(4-methylphenyl)-1H-pyrazol-5-yl]amino]carbonyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)

L36 ANSWER 3 OF 58 CAPIUS COPYRIGHT 2005 ACS on STN (Continued)



RN 799288-68-9 CAPIUS
 CN 1-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-4-[[[3-(1,1-dimethylethyl)-1-(4-methylphenyl)-1H-pyrazol-5-yl]amino]carbonyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT

L36 ANSWER 4 OF 58 CAPIUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2004:878302 CAPIUS
 DOCUMENT NUMBER: 141:360694
 TITLE: Combination therapy using an 11 β -hydroxysteroid dehydrogenase type 1 inhibitor and an antihypertensive agent for the treatment of metabolic syndrome and related diseases and disorders
 INVENTOR(S): Kampen, Gita Camilla Tejlgaard; Andersen, Henrik Sune
 PATENT ASSIGNEE(S): Novo Nordisk A/S, Den.
 SOURCE: PCT Int. Appl., 297 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 7
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004089416	A2	20041021	WO 2004-DK254	20040406
WO 2004089416	A3	20050303		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, GU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN. INFO.: DK 2003-565 A 20030411
 DK 2003-566 A 20030411
 DK 2003-567 A 20030411
 DK 2003-569 A 20030411
 DK 2003-570 A 20030411
 DK 2003-571 A 20030411
 US 2003-467284P P 20030502
 US 2003-467362P P 20030502
 US 2003-467363P P 20030502
 US 2003-467437P P 20030502
 US 2003-467453P P 20030502
 US 2003-467800P P 20030502
 DK 2003-776 A 20030522
 DK 2003-777 A 20030522
 US 2003-474421P P 20030530

L36 ANSWER 4 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

US 2003-475157P	P	20030602
DK 2003-972	A	20030627
DK 2003-988	A	20030630
DK 2003-989	A	20030630
DK 2003-990	A	20030630
DK 2003-998	A	20030702
US 2003-486078P	P	20030710
US 2003-486094P	P	20030710
US 2003-486095P	P	20030710
US 2003-486097P	P	20030710
US 2003-486098P	P	20030710
DK 2003-1910	A	20031222
DK 2004-9	A	20040106
US 2004-537099P	P	20040116

OTHER SOURCE(S): MARPAT 141:360694

AB The invention discloses combination therapy comprising the administration of an 11 β -hydroxysteroid dehydrogenase type 1 inhibitor and an antihypertensive agent useful for treating, preventing and reducing the risk of developing insulin resistance, dyslipidemia, obesity, hypertension and other related diseases and disorders.

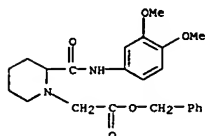
IT 497847-54-8

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(hydroxysteroid dehydrogenase inhibitor-antihypertensive agent combination for treatment of metabolic syndrome and related conditions)

RN 497847-54-8 CAPLUS

CN 1-Piperidineacetic acid, 2-[(3,4-dimethoxyphenyl)amino]carbonyl-, phenylmethyl ester (9CI) (CA INDEX NAME)



L36 ANSWER 5 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

US 2003-475157P	P	20030602
US 2003-475195P	P	20030602
DK 2003-972	A	20030627
DK 2003-988	A	20030630
DK 2003-989	A	20030630
DK 2003-990	A	20030630
DK 2003-998	A	20030702
US 2003-486078P	P	20030710
US 2003-486094P	P	20030710
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DK 2003-1910	A	20031222
DK 2004-9	A	20040106
US 2004-537099P	P	20040116

OTHER SOURCE(S): MARPAT 141:360721

AB The invention discloses combination therapy comprising the administration of an 11 β -hydroxysteroid dehydrogenase type 1 inhibitor and a glucocorticoid receptor agonist for treating some forms of cancer, diseases and disorders having inflammation as a component, and to minimize the side effects associated with glucocorticoid receptor agonist therapy.

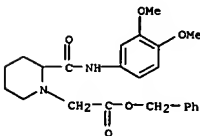
IT 497847-54-8

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(hydroxysteroid dehydrogenase inhibitor-glucocorticoid agonist combination to treat cancer and inflammation-associated diseases and minimize side effects associated with glucocorticoid agonist therapy)

RN 497847-54-8 CAPLUS

CN 1-Piperidineacetic acid, 2-[(3,4-dimethoxyphenyl)amino]carbonyl-, phenylmethyl ester (9CI) (CA INDEX NAME)



L36 ANSWER 5 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2004:878301 CAPLUS

DOCUMENT NUMBER: 141:360721

TITLE: Combination therapy using an 11 β -hydroxysteroid dehydrogenase type 1 inhibitor and a glucocorticoid receptor agonist to treat cancer and inflammation-associated diseases and to minimize the side effects associated with glucocorticoid receptor agonist therapy

INVENTOR(S): Kampen, Gita Camilla Tejlgaard; Andersen, Henrik Sune

PATENT ASSIGNEE(S): Novo Nordisk A/S, Den.

SOURCE: PCT Int. Appl., 305 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 7

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004089415	A2	20041021	WO 2004-DK248	20040406
WO 2004089415	A3	20050310		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AG, AZ, BY, KO, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LJ, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.:

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DK 2003-570	A	20030411
DK 2003-571	A	20030411
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US 2003-467362P	P	20030502
US 2003-467363P	P	20030502
US 2003-467443P	P	20030502
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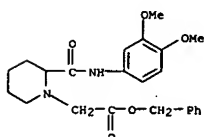
L36 ANSWER 5 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

ACCESSION NUMBER: 2004:872724 CAPLUS
 DOCUMENT NUMBER: 141:366223
 TITLE: Pharmaceutical use of substituted amides as 11 β -hydroxysteroid dehydrogenase type 1 modulators, especially inhibitors, for treating metabolic
 INVENTOR(S): Andersen, Henrik Sune; Kampen, Gita Camilla
 Christensen, Inge Thøger; Mogensen, John Patrick; Larsen, Annette Rosendal; Kilburn, John Paul
 PATENT ASSIGNEE(S): Novo Nordisk A/S, Den.
 SOURCE: PCT Int. Appl., 236 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 7
 PATENT INFORMATION:

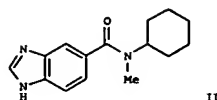
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004089470	A2	20041021	WO 2004-DK250	20040406
WO 2004089470	A3	20041223		
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RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZH, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GN, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN. INFO.: DK 2003-565 A 20030411
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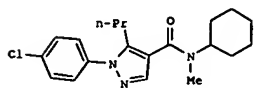
(Uses)
 (drug candidate; prepn. of substituted amides as 11 β -hydroxysteroid dehydrogenase type 1 modulators, esp. inhibitors, for treating metabolic disorders, type II diabetes and related diseases)
 RN 497847-54-8 CAPLUS
 CN 1-Piperidineacetic acid, 2-[(3,4-dimethoxyphenyl)amino]carbonyl-, phenylmethyl ester, [SCI] (CA INDEX NAME)



OTHER SOURCE(S): MARPAT 141:366223
 GI



II



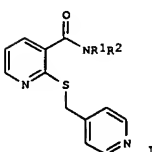
III

AB The invention is directed to the use of substituted amides of formula R3CONR1R2 (II), and their optical isomers or mixture of optical isomers, including racemates, and tautomers, their prodrugs, pharmaceutically acceptable salts, [wherein R1 = (un)substituted cyclo/heterocyclo/aryl/hetaryl/alkyl, het/aryl, etc.; R2 = H, (un)substituted aryl/cycloalkyl/alkylcarboxy/alkyl, het/aryl; or R1R2 = (un)substituted (un)saturated bi/tricyclic ring containing 4-10 carbons, and 0-2 heteroatoms; R3 = (un)substituted cyclo/heterocyclo/aryl/alkoxy/hetaryl/arylalkyl/alkyl, alkenyl, alkynyl, het/aryl] for modulating, especially inhibiting, the activity of 11 β -hydroxysteroid dehydrogenase type 1 (11 β -HSD1) and use of their pharmaceutical compns. in the treatment, prevention, prophylaxis of a range of medical disorders where a decreased intracellular concentration of active glucocorticoid is desirable. The invention is also directed to the preparation of certain title compds. I. For instance, acylation of 1H-benzimidazole-5-carboxylic acid with N-cyclohexyl-N-methylamine in THF in the presence of HOBT/EDAC/DIPEA gave amide II in 49% yield. Pyrazole-4-carboxamide (III) inhibited 11 β -HSD1 enzyme with an IC50 = 0.04 μ M. I are useful for treating metabolic disorders, type II diabetes, impaired glucose tolerance, impaired fasting glucose, dyslipidemia, obesity, hypertension, diabetic late complications, neurodegenerative and psychiatric disorders and adverse effects of treatment or therapy with glucocorticoid receptor agonists.
 IT 497847-54-8P, [2-[(3,4-Dimethoxyphenyl)carbamoyl]piperidin-1-yl]acetic acid benzyl ester
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES

ACCESSION NUMBER: 2004:756691 CAPLUS
 DOCUMENT NUMBER: 141:260553
 TITLE: Preparation of compds. having 4-pyridylalkylthio group as inhibitors of angiogenesis and vascular permeability
 INVENTOR(S): Honda, Takahiro; Tajima, Hisashi; Sasabuchi, Yoshinasa; Kawashima, Kenji; Okamoto, Kazuyoshi; Yamamoto, Minoru; Ban, Masakazu
 PATENT ASSIGNEE(S): Santen Pharmaceutical Co. Ltd., Japan
 SOURCE: PCT Int. Appl., 350 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004078723	A1	20040916	WO 2004-JP2812	20040305
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, FR, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, ME, MG, MK, MN, MW, MX, MY, NA, NI, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZH, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GN, GO, GW, ML, MR, NE, SN, TD, TG			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZH, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GN, GO, GW, ML, MR, NE, SN, TD, TG			
JP 2005232149	A2	20050902	JP 2004-109503	20040305
PRIORITY APPLN. INFO.:			JP 2003-62042	A 20030307
			JP 2004-11602	A 20040120

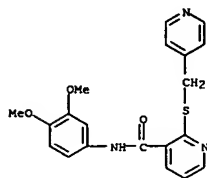
OTHER SOURCE(S): MARPAT 141:260553
 GI



I

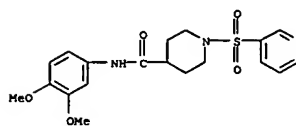
AB Title compds. e.g. I (R1, R2 = H, alkyl, cycloalkyl, Ph, substituted Ph, heteroaryl, etc.), useful as inhibitors of angiogenesis and vascular permeability, are prepared thus, stirring 2-(4-pyridylmethylthio)pyridine-3-

L36 ANSWER 7 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 carboxylic acid with 4-chloroaniline in DMF in the presence of
 N,N-diisopropylethylamine and O-(7-azabenzotriazol-1-yl)-N,N,N',N'-
 tetramethyluronium hexafluorophosphate at room temp. for 3 h gave 91%
 N-(4-chlorophenyl)-2-(4-pyridylmethylthio)pyridine-3-carboxamide (II).
 II showed angiogenesis inhibitor activity at 20 µg/mL. Formulations
 contg. I were given.
 IT 754219-83-5P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)
 (preparation of compds. having 4-pyridylalkylthio group as inhibitors
 of angiogenesis and vascular permeability)
 RN 754219-83-5 CAPLUS
 CN 3-Pyridinecarboxamide,
 N-(3,4-dimethoxyphenyl)-2-[(4-pyridinylmethyl)thio]-
 (9CI) (CA INDEX NAME)



REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR
 THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT

L36 ANSWER 8 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2004:742260 CAPLUS
 DOCUMENT NUMBER: 142:273789
 TITLE: Synthesis, structure, and properties of a number of
 3-sulfanilamidic derivatives of pyridine
 AUTHOR(S): Solov'ev, M. Yu.; Filimonov, S. I.; Skorenko, A. V.;
 Ivanenkov, Ya. A.; Balakin, K. B.; Dorogov, M. V.
 CORPORATE SOURCE: Yaroslav. Gos. Pedagog. Univ. im. K. D. Ushinskogo,
 Russia
 SOURCE: Izvestiya Vysshikh Uchebnykh Zavedenii, Khimiya i
 Khimicheskaya Tekhnologiya (2004), 47(2), 28-36
 CODEN: IYUQAR; ISSN: 0579-2991
 PUBLISHER: Ivanovskii Gosudarstvennyi Khimiko-Tekhnologicheskii
 Universitet
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 AB 3-Pyridinesulfochloride was synthesized by the dehydrochlorination of
 3-pyridinesulfonic acid and used for the synthesis of a number of
 primary and secondary sulfonylamides and also (3-pyridinesulfonyl)-
 pyridinecarboxylic acids and their amides NMR 1H-spectra of the
 synthesized compds. are described and interpreted. The rating of their
 potential suitability for biol. tests is carried out according to
 Lipinski rules and "lead-like"-conception. Also, the rating of ability of the
 received compds. to penetrate through the hemato-encephalic barrier was
 made using the special neuron-net model. The conclusion about the
 expediency of testing of the synthesized compds. is made for the area of
 development of CNS acting drugs.
 IT 847401-86-9P
 RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological
 study); PREP (Preparation); USES (Uses)
 (preparation, structure, and properties of 3-sulfanilamidic derivs. of
 pyridine)
 RN 847401-86-9 CAPLUS
 CN 4-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-(3-pyridinylsulfonyl)-
 (9CI) (CA INDEX NAME)



L36 ANSWER 9 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2004:546480 CAPLUS
 DOCUMENT NUMBER: 141:89019
 TITLE: Substituted biphenyl-4-carboxylic acid arylamide
 analogues as VRI receptors modulators
 INVENTOR(S): Bakthavatchalam, Rajagopal; Elum, Charles A.;
 Brielmann, Harry; Darrow, James W.; De Lombaert,
 Stephane; Yoon, Taeyoung; Zheng, Xiaozhang
 PATENT ASSIGNEE(S): Neurogen Corporation, USA
 SOURCE: PCT Int. Appl., 170 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004056774	A2	20040708	WO 2003-US40878	20031219
WO 2004056774	A3	20041104		

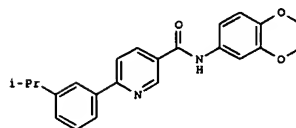
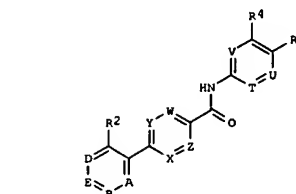
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 CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, NI, NO, NZ, OH,
 PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,
 TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
 BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
 ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
 TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,
 TG

CA 2510471	AA	20040708	CA 2003-2510471	20031219
EP 1575918	A2	20050921	EP 2003-800070	20031219

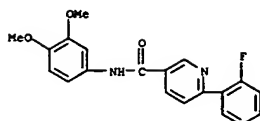
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 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
 PRIORITY APPLN. INFO.: US 2002-435118P P 20021219
 WO 2003-US40878 W 20031219

OTHER SOURCE(S): MARPAT 141:89019
 GI

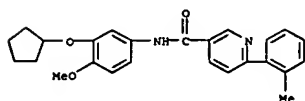
L36 ANSWER 9 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



AB The title compds. (such as I: A, B, D, E, W, X, Y, Z = CRI, N; T, U, V =
 CR8, N; R1 = halo, CN, NO2, etc.; R2 = NO2, CN, NHOH, etc.; R3, R4 = H,
 halo, alkyl, etc.; R8 = H, halo, OH, etc.) which are capable of
 modulating
 capsaicin receptor activity (biol. data given), are provided. E.g., the
 nicotinamide II was prepared starting from 3-isopropylphenylboronic
 acid, Me
 6-chloronicotinate and 2,3-dihydrobenzo[1,4]dioxin-6-ylamine. Such
 ligands may be used to modulate receptor activity in vivo or in vitro,
 and
 are particularly useful in the treatment of pain and other conditions
 associated with receptor activation in humans, domesticated companion
 animals
 and livestock animals. Pharmaceutical compns. and methods for treating
 such disorders are provided, as are methods for using such ligands for
 receptor localization studies.
 IT 717114-02-8P 717114-32-4P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)
 (preparation of substituted biphenyl-4-carboxylic acid arylamide
 analogs as
 VRI receptors modulators for treating pain associated with various
 conditions)
 RN 717114-02-8 CAPLUS
 CN 3-Pyridinecarboxamide, N-(3,4-dimethoxyphenyl)-6-(2-fluorophenyl)- (9CI)
 (CA INDEX NAME)



RN 717114-32-4 CAPLUS
CN 3-Pyridinecarboxamide, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-6-(2-methylphenyl)- (9CI) (CA INDEX NAME)

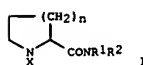


ACCESSION NUMBER: 2004:2852 CAPLUS
DOCUMENT NUMBER: 140:59520
TITLE: Preparation of pyrrolidine and piperidinecarboxamides as inhibitors of phosphodiesterase IV (PDE 4)
INVENTOR(S): Egerland, Ute; Rueger, Carla; Schindler, Rudolf; Rundfeldt, Chris; Kuss, Hildegard; Lichoscherstow, Arkadi M.; Seredenin, Sergey B.; Borissenko, Sergey
A. Elbion A.-G., Germany
SOURCE: PCT Int. Appl., 79 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004000806	A1	20031231	WO 2003-EP6590	20030623
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MN, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
DE 10228132	A1	20040122	DE 2002-10228132	20020624
PRIORITY APPLN. INFO.:			DE 2002-10228132	A 20020624

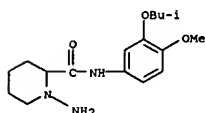
OTHER SOURCE(S): MARPAT 140:59520

GI



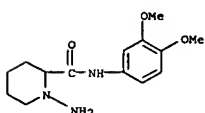
AB Title compds. [I; n = 1, 2; X = NH2, N:CR3R4; NHCNR3R4; NR3CHR3R4; NHCH2R4, NHCOR4; R1, R4 = (substituted) 3-14 membered (saturated) (poly)cyclyl; 5-15 membered (saturated) (poly)heterocyclyl; R2 = H, (substituted) (branched) alkyl, PhCH2; NR1R2 = (substituted) heterocyclyl.
R3 = H, (substituted) (branched) alkyl, were prepared Thus, 1-amino-pyrrolidine-2-carboxylic acid, 2,6-dichlorophenylamide, and 3,4-dimethoxybenzaldehyde in 2-propanol were refluxed for 4 h to give 84%
N-(2,6-dichlorophenyl)-(E)-1-((3,4-dimethoxyphenyl)methylene)amino]pyrrolidine-2-carboxamide. Several I at 114-5,000 nmol/L inhibited PDE 4 with IC50 = 32.4-79.6nM.
IT 485394-42-1P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of pyrrolidine and piperidinecarboxamides as inhibitors of

phosphodiesterase IV (PDE 4)
RN 485394-42-1 CAPLUS
CN 2-Piperidinecarboxamide, 1-amino-N-[4-methoxy-3-(2-methylpropoxy)phenyl]- (9CI) (CA INDEX NAME)



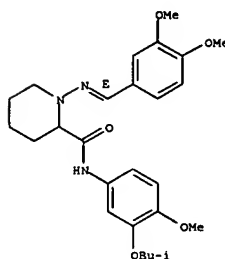
IT 473576-67-9P 638206-79-8P 638206-80-1P
638206-82-3P 638206-83-4P 638206-85-6P
638206-86-7P 638206-87-8P 638206-88-9P
638206-92-5P 638206-93-6P 638206-94-7P
638206-95-8P 638206-96-9P 638206-97-0P
638206-98-1P 638206-99-2P 638207-01-9P
638207-02-0P 638207-04-2P 638207-05-3P
638207-07-5P 638207-08-6P 638207-09-7P
638207-10-0P 638207-11-1P 638207-22-4P
638207-23-5P 638207-24-6P 638207-25-7P
638207-26-8P 638207-28-0P 638207-30-4P
638207-32-6P 638207-33-7P 638207-36-0P
638207-37-1P 638207-41-7P 638207-42-8P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of pyrrolidine and piperidinecarboxamides as inhibitors of

phosphodiesterase IV (PDE 4)
RN 473576-67-9 CAPLUS
CN 2-Piperidinecarboxamide, 1-amino-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)



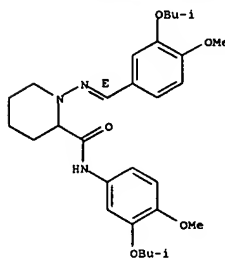
RN 638206-79-8 CAPLUS
CN 2-Piperidinecarboxamide, 1-[(E)-[(3,4-dimethoxyphenyl)methylene]amino]-N-[4-methoxy-3-(2-methylpropoxy)phenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



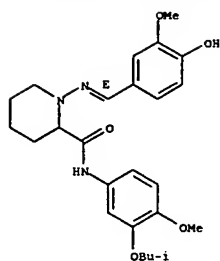
RN 638206-80-1 CAPLUS
CN 2-Piperidinecarboxamide, N-[4-methoxy-3-(2-methylpropoxy)phenyl]-1-[(E)-[(4-methoxy-3-(2-methylpropoxy)phenyl)methylene]amino]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



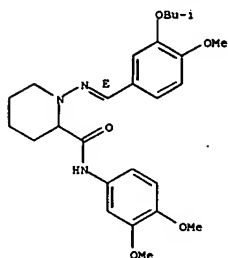
RN 638206-82-3 CAPLUS
CN 2-Piperidinecarboxamide, 1-[(E)-[(4-hydroxy-3-methoxyphenyl)methylene]amino]-N-[4-methoxy-3-(2-methylpropoxy)phenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



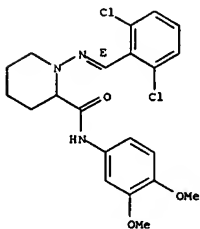
RN 638206-83-4 CAPLUS
CN 2-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-[(E)-{[4-methoxy-3-(2-methylpropoxy)phenyl]methylene}amino]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



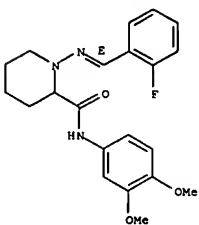
RN 638206-85-6 CAPLUS
CN 2-Piperidinecarboxamide, 1-[(E)-{(3-hydroxy-4-methoxyphenyl)methylene}amino]-N-[4-methoxy-3-(2-methylpropoxy)phenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



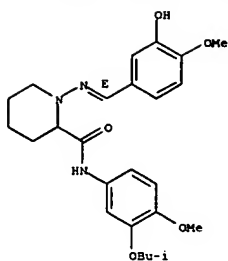
RN 638206-88-9 CAPLUS
CN 2-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-[(E)-{(2,6-dichlorophenyl)methylene}amino]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



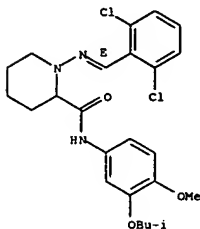
RN 638206-92-5 CAPLUS
CN Benzoic acid, 4-[(E)-{[2-[(4-methoxy-3-(2-methylpropoxy)phenyl]amino]carbonyl]-1-piperidyl}imino]methyl-, methyl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.



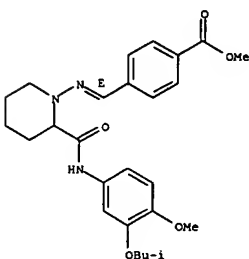
RN 638206-86-7 CAPLUS
CN 2-Piperidinecarboxamide, 1-[(E)-{(2,6-dichlorophenyl)methylene}amino]-N-[4-methoxy-3-(2-methylpropoxy)phenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



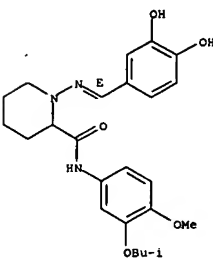
RN 638206-87-8 CAPLUS
CN 2-Piperidinecarboxamide, 1-[(E)-{(3,4-dimethoxyphenyl)methylene}amino]-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



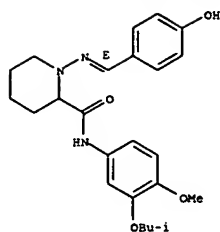
RN 638206-93-6 CAPLUS
CN 2-Piperidinecarboxamide, 1-[(E)-{(3,4-dihydroxyphenyl)methylene}amino]-N-[4-methoxy-3-(2-methylpropoxy)phenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



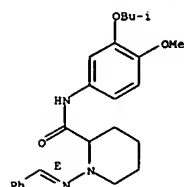
RN 638206-94-7 CAPLUS
CN 2-Piperidinecarboxamide, 1-[(E)-{(4-hydroxyphenyl)methylene}amino]-N-[4-methoxy-3-(2-methylpropoxy)phenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



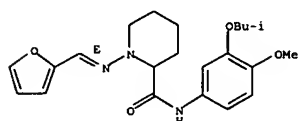
RN 638206-95-8 CAPLUS
CN 2-Piperidinecarboxamide, N-[(4-methoxy-3-(2-methylpropoxy)phenyl)-1-[(E)-(2-phenylmethylene)amino]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



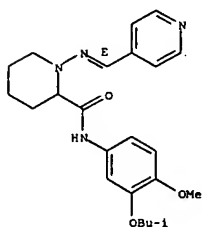
RN 638206-96-9 CAPLUS
CN 2-Piperidinecarboxamide, N-[(4-methoxy-3-(2-methylpropoxy)phenyl)-1-[(E)-(2-furanylmethylene)amino]-N-[(4-methoxy-3-(2-methylpropoxy)phenyl)-1-[(E)-(2-methylpropoxy)phenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



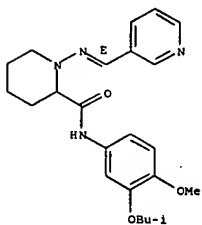
RN 638206-97-0 CAPLUS
CN 2-Piperidinecarboxamide, N-[(4-methoxy-3-(2-methylpropoxy)phenyl)-1-[(E)-(2-

Double bond geometry as shown.



RN 638207-02-0 CAPLUS
CN 2-Piperidinecarboxamide, N-[(4-methoxy-3-(2-methylpropoxy)phenyl)-1-[(E)-(3-pyridinylmethylene)amino]- (9CI) (CA INDEX NAME)

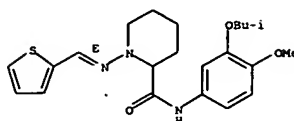
Double bond geometry as shown.



RN 638207-04-2 CAPLUS
CN 2-Piperidinecarboxamide, N-[(4-methoxy-3-(2-methylpropoxy)phenyl)-1-[(E)-((2,3,4-trimethoxyphenyl)methylene)amino]- (9CI) (CA INDEX NAME)

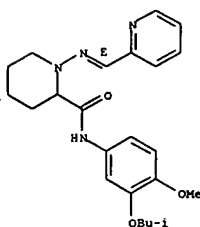
Double bond geometry as shown.

Double bond geometry as shown.



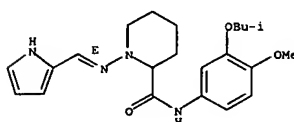
RN 638206-98-1 CAPLUS
CN 2-Piperidinecarboxamide, N-[(4-methoxy-3-(2-methylpropoxy)phenyl)-1-[(E)-(2-pyridinylmethylene)amino]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

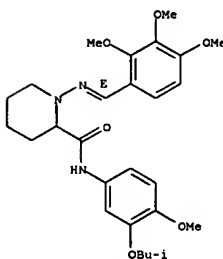


RN 638206-99-2 CAPLUS
CN 2-Piperidinecarboxamide, N-[(4-methoxy-3-(2-methylpropoxy)phenyl)-1-[(E)-(1H-pyrrol-2-ylmethylene)amino]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

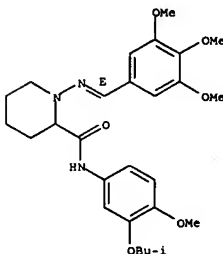


RN 638207-01-9 CAPLUS
CN 2-Piperidinecarboxamide, N-[(4-methoxy-3-(2-methylpropoxy)phenyl)-1-[(E)-(4-



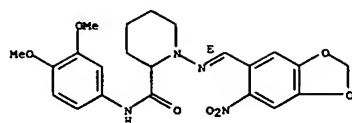
RN 638207-05-3 CAPLUS
CN 2-Piperidinecarboxamide, N-[(4-methoxy-3-(2-methylpropoxy)phenyl)-1-[(E)-((3,4,5-trimethoxyphenyl)methylene)amino]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



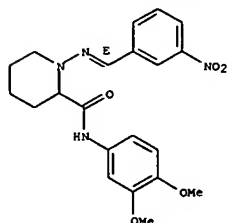
RN 638207-07-5 CAPLUS
CN 2-Piperidinecarboxamide, N-[(4-methoxy-3-(2-methylpropoxy)phenyl)-1-[(E)-((6-nitro-1,3-benzodioxol-5-yl)methylene)amino]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



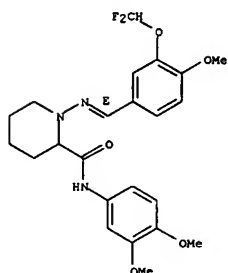
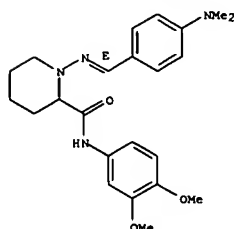
RN 638207-08-6 CAPLUS
CN 2-Piperidinecarboxamide, N-((E)-((3,4-dimethoxyphenyl)methylene)amino)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



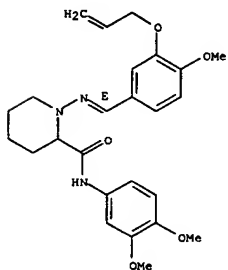
RN 638207-09-7 CAPLUS
CN 2-Piperidinecarboxamide, N-((E)-((4-(dimethylamino)phenyl)methylene)amino)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 638207-23-5 CAPLUS
CN 2-Piperidinecarboxamide, N-((E)-((4-methoxy-3-(2-propenyloxy)phenyl)methylene)amino)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

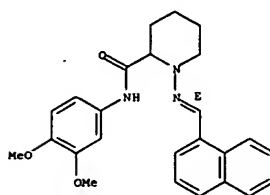


RN 638207-24-6 CAPLUS
CN 2-Piperidinecarboxamide, 1-((E)-((4-(difluoromethoxy)-3-methoxyphenyl)methylene)amino)-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

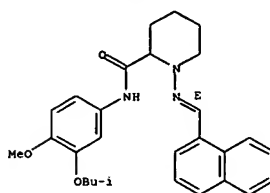
RN 638207-10-0 CAPLUS
CN 2-Piperidinecarboxamide, N-((E)-((1-naphthalenylmethylene)amino)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



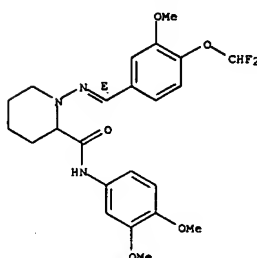
RN 638207-11-1 CAPLUS
CN 2-Piperidinecarboxamide, N-((E)-((4-methoxy-3-(2-methylpropoxy)phenyl)methylene)amino)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



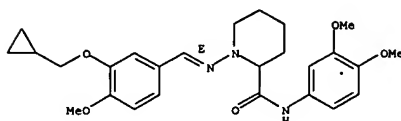
RN 638207-22-4 CAPLUS
CN 2-Piperidinecarboxamide, 1-((E)-((3-(difluoromethoxy)-4-methoxyphenyl)methylene)amino)-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



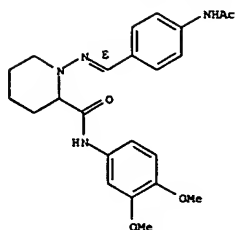
RN 638207-25-7 CAPLUS
CN 2-Piperidinecarboxamide, 1-((E)-((3-(cyclopropylmethoxy)-4-methoxyphenyl)methylene)amino)-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 638207-26-8 CAPLUS
CN 2-Piperidinecarboxamide, 1-((E)-((4-(acetylamino)phenyl)methylene)amino)-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)

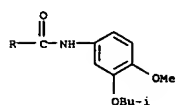
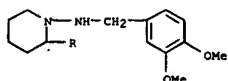
Double bond geometry as shown.



RN 638207-28-0 CAPLUS
CN 2-Piperidinecarboxamide, 1-([(3,4-dimethoxyphenyl)methyl]amino)-N-[4-methoxy-3-(2-methylpropoxy)phenyl]-, ethanedioate (9CI) (CA INDEX NAME)

CH 1

CRN 353778-71-9
CMF C26 H37 N3 O5

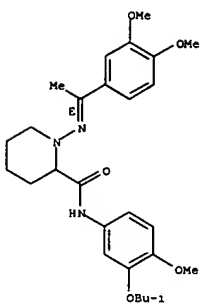


CH 2

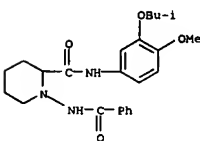
CRN 144-62-7
CMF C2 H2 O4



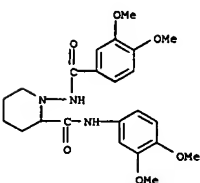
RN 638207-30-4 CAPLUS
CN 2-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-([(4-methoxy-3-(2-methylpropoxy)phenyl)methyl]amino)-, ethanedioate (9CI) (CA INDEX NAME)



RN 638207-33-7 CAPLUS
CN 2-Piperidinecarboxamide, 1-(benzoylamino)-N-[4-methoxy-3-(2-methylpropoxy)phenyl]- (9CI) (CA INDEX NAME)

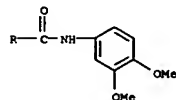
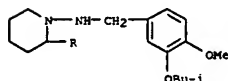


RN 638207-36-0 CAPLUS
CN 2-Piperidinecarboxamide, 1-([(3,4-dimethoxybenzoyl]amino)-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)



CH 1

CRN 638207-29-1
CMF C26 H37 N3 O5



CH 2

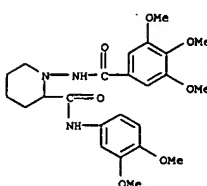
CRN 144-62-7
CMF C2 H2 O4



RN 638207-32-6 CAPLUS
CN 2-Piperidinecarboxamide, 1-([(E)-[1-(3,4-dimethoxyphenyl)ethylidene]amino]-N-[4-methoxy-3-(2-methylpropoxy)phenyl]- (9CI) (CA INDEX NAME)

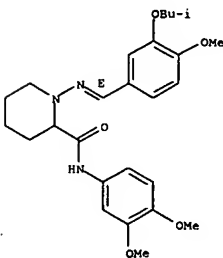
Double bond geometry as shown.

RN 638207-37-1 CAPLUS
CN 2-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-([(3,4,5-trimethoxybenzoyl]amino)- (9CI) (CA INDEX NAME)



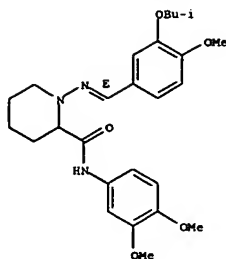
RN 638207-41-7 CAPLUS
CN 2-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-([(E)-[4-methoxy-3-(2-methylpropoxy)phenyl]methylene]amino)-, (-) (9CI) (CA INDEX NAME)

Rotation (-).
Double bond geometry as shown.



RN 638207-42-8 CAPLUS
CN 2-Piperidinecarboxamide, N-(3,4-dimethoxyphenyl)-1-([(E)-[4-methoxy-3-(2-methylpropoxy)phenyl]methylene]amino)-, (+) (9CI) (CA INDEX NAME)

Rotation (+).
Double bond geometry as shown.

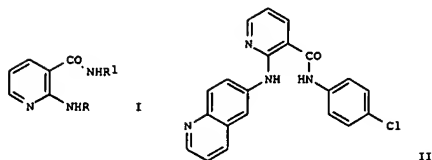


REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

ACCESSION NUMBER: 2003:855655 CAPLUS
DOCUMENT NUMBER: 139:350636
TITLE: Preparation of amino heteroaryl amides for use in pharmaceutical compositions for the treatment of angiogenesis mediated diseases such as cancer
INVENTOR(S): Patel, Vinod F.; Askew, Benny; Booker, Shon; Chen, Guoqing; Dipietro, Lucian V.; Germain, Julie; Habgood, Gregory J.; Huang, Qi; Kim, Tae-seong; Li, Aiwon; Nishimura, Nobuko; Nomak, Rana; Riahi, Babak; Yuan, Chester; Chenguang; Elbaum, Daniel; Augen Inc., USA
PATENT ASSIGNEE(S): U.S. Pat. Appl. Publ., 148 pp., Cont.-in-part of U.S. Ser. No. 46,622.
SOURCE: CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

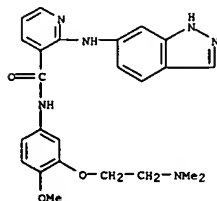
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003203922	A1	20031030	US 2002-197918	20020717
US 2003195230	A1	20031016	US 2002-46622	20020110
CN 1538836	A	20041020	CN 2002-806467	20020111
ZA 2003005198	A	20040630	ZA 2003-5198	20030704
CA 2492045	AA	20040122	CA 2003-2492045	20030715
WO 2004007481	A2	20040122	WO 2003-US22275	20030715
WO 2004007481	A3	20040219		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, ME, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TH, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LJ, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG				
EP 1562933	A2	20050817	EP 2003-764755	20030715
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
PRIORITY APPLN. INFO.: US 2001-261882P P 20010112				
US 2001-323808P P 20010919				
US 2002-46622 A2 20020110				
US 2002-197918 A 20020717				
WO 2003-US22275 W 20030715				

OTHER SOURCE(S): MARPAT 139:350636
GI

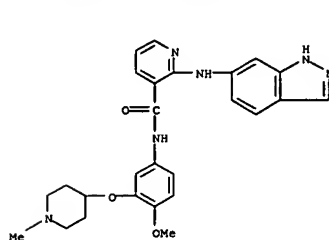


AB Amino substituted heteroaryl amides, such as I [R = nitrogen containing heteroaryl, such as quinolinyl, isoquinolinyl, indazolyl; R1 = aryl, cycloalkyl, heteroaryl, heterocyclyl], were prepared for therapeutic use. The invention encompasses novel compds., analogs, prodrugs and pharmaceutically acceptable salts thereof, pharmaceutical compns. and methods for prophylaxis and treatment of cancer, angiogenesis related disorders, KDR-related disorders, cell proliferation related disorders, inflammation, reducing blood flow in tumors, reducing tumor size and diabetic retinopathy. Thus, amide II was prepared via an amination reaction of 2-chloronicotinic acid with 6-aminoquinoline followed by an amidation reaction of the aminonicotinic acid derivative thus formed with 4-chloroaniline. Biol. evaluations included HUVEC proliferation assay, inhibition of angiogenesis in the rat corneal neovascularization micropocket model, and antitumor activity using A431 rat tumor cells.
IT 454481-04-OP 454481-05-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of aminopyridinecarboxamides for therapeutic use in treatment of angiogenesis mediated diseases such as cancer)

RN 454481-04-0 CAPLUS
CN 3-Pyridinecarboxamide, N-[3-[2-(dimethylamino)ethoxy]-4-methoxyphenyl]-2-(1H-indazol-6-ylamino)- (9CI) (CA INDEX NAME)



RN 454481-05-1 CAPLUS
CN 3-Pyridinecarboxamide, N-[3-[2-(dimethylamino)ethoxy]-4-methoxyphenyl]-2-(1H-indazol-6-ylamino)-N-(4-methoxy-3-[(1-methyl-



L36 ANSWER 12 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2002:793602 CAPLUS

DOCUMENT NUMBER: 137:294952

TITLE: Preparation of 3-cyclopentyloxy-4-methoxyphenyl benzothiazolinones as tumor necrosis factor- α (TNF- α) or cAMP phosphodiesterase IV (PDE 4) inhibitors

INVENTOR(S): Park, Joon-Seok; Byun, Young-Seok; Moon, Seong-Cheol

PATENT ASSIGNEE(S): Daewoong Pharmaceutical Co., Ltd., S. Korea

SOURCE: PCT Int. Appl., 36 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002081447	A1	20021017	WO 2001-KR579	20010406
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

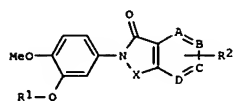
PRIORITY APPLN. INFO.:

WO 2001-KR579 20010406

OTHER SOURCE(S):

MARPAT 137:294952

GI



AB The title compds. [I; R1 = alkyl, cycloalkyl, arylalkyl, etc.; R2 = H, halo, OH, etc.; X = O, C, CO, S, etc.; A, B, C, D = C, N, N-oxide] having the activity to inhibit tumor necrosis factor- α (TNF- α) or cAMP phosphodiesterase IV (PDE 4), and therefore possessing important biol. therapeutic effect on inflammatory and autoimmune diseases associated with a detrimental excess of TNF- α , were prepared and formulated.

Thus, reacting 6-(aminomethyl)-2-(3-cyclopentyloxy-4-methoxyphenyl)-1-isoindolinone with 1-oxo-1H-1,4-benzo[1,2]dithiol-3-one (prepn. given) in CH2Cl2 afforded 76% I [R1 = cyclopentyl; R2 = H; X = S; A-D = C] which showed 68.5% inhibition of TNF- α synthesis in vitro.

IT 214070-87-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of 3-cyclopentyloxy-4-methoxyphenyl benzothiazolinones as

L36 ANSWER 13 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2002:793601 CAPLUS

DOCUMENT NUMBER: 137:310811

TITLE: Preparation of 2-(3-cyclopentyloxy-4-methoxyphenyl)isoindolinones as tumor necrosis factor- α (TNF- α) or cAMP phosphodiesterase IV (PDE 4) inhibitors

INVENTOR(S): Park, Joon-Seok; Byun, Young-Seok

PATENT ASSIGNEE(S): Daewoong Pharmaceutical Co., Ltd., S. Korea

SOURCE: PCT Int. Appl., 62 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002081446	A1	20021017	WO 2001-KR578	20010406
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

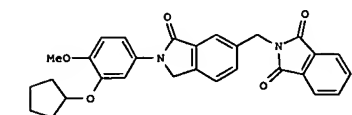
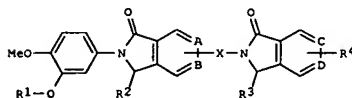
PRIORITY APPLN. INFO.:

WO 2001-KR578 20010406

OTHER SOURCE(S):

MARPAT 137:310811

GI



AB The title compds. [I; R1 = alkyl, cycloalkyl, arylalkyl, etc.; R2, R3 = H, OH, O, etc.; R4 = H, halo, OH, etc.; X = O, C, CO, NH, CONH; A, B, C, D = C, N, N-oxide] possessing important biol. therapeutic effect on

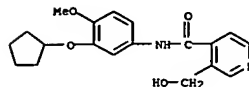
L36 ANSWER 12 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

tumor necrosis factor- α (TNF- α) or cAMP phosphodiesterase

IV (PDE 4) inhibitors)

RN 214070-87-8 CAPLUS

CN 4-Pyridinecarboxamide, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-3-(hydroxymethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 6

THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L36 ANSWER 13 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

inflammatory and autoimmune diseases assocd. with a detrimental excess of TNF- α , were prepd. and formulated. Thus, reacting

2-(3-cyclopentyloxy-4-methoxyphenyl)-6-(hydroxymethyl)-1-isoindolinone (prepn. given) and phthalimide in the presence of triphenylphosphine and di-Et azodicarboxylate in THF afforded 85% II which showed 79.3% inhibition of TNF α synthesis in vitro.

IT 214070-87-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

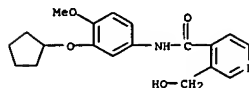
(preparation of 2-(3-cyclopentyloxy-4-methoxyphenyl)isoindolinones as

tumor necrosis factor- α (TNF- α) or cAMP phosphodiesterase IV (PDE

4) inhibitors)

RN 214070-87-8 CAPLUS

CN 4-Pyridinecarboxamide, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-3-(hydroxymethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 5

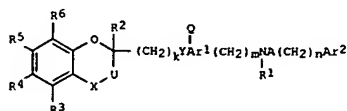
THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L36 ANSWER 14 OF 58 CAPLUS COPYRIGHT 2005 ACS ON STN
 ACCESSION NUMBER: 2002:728847 CAPLUS
 DOCUMENT NUMBER: 137:257628
 TITLE: Antitumor agents containing novel chroman derivatives
 INVENTOR(S): Fujita, Takashi; Wada, Kunio; Oguchi, Minoru;
 Kurakata, Shinichi
 PATENT ASSIGNEE(S): Sankyo Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 101 pp.
 CODEN: JG00AF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002275064	A2	20020925	JP 2002-5560	20020115
PRIORITY APPLN. INFO.:			JP 2001-6574	A 20010115

OTHER SOURCE(S): MARPAT 137:257628
 GI



AB The invention provides chroman derivs. I (R1 = H, C1-6 alkyl, etc.; R2 = H, C1-6 alkyl, etc.; R3, R4, R5, R6 = H, C1-6 alkyl, etc.; X = single bond, CO, C=NOR7, etc.; R7, R8 = H, C1-6 alkyl, C2-6 alkenyl, etc.; A = CO, SO2; U = CH2, etc.; Y = O, S; Q = H, nitro, OH, etc.; k = 1-6; m, n = 0-8; Ar1 = benzene ring, etc.; Ar2 = benzene ring, etc.) as antitumor agents. The antitumor effect of N-[2-[4-(6-acetoxy-4-oxo-2,5,7,8-tetramethylchroman-2-ylmethoxy)phenyl]ethyl]-nicotinamide in SK-N-MC and D283-Med cells was examined. Also, a capsule containing N-[4-(6-acetoxy-2,5,7,8-tetramethylchroman-2-ylmethoxy)phenyl]-nicotinamide 100 mg was prepared.

IT 461657-84-1
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (chroman derivs. as antitumor agents)

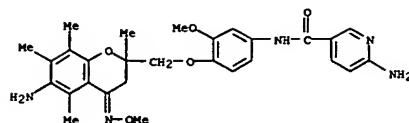
RN 461657-84-1 CAPLUS
 CN 3-Pyridinecarboxamide,
 6-amino-N-[4-[[6-amino-3,4-dihydro-4-(methoxyimino)-2,5,7,8-tetramethyl-2H-1-benzopyran-2-yl]methoxy]-3-methoxyphenyl]- (9CI)
 (CA INDEX NAME)

L36 ANSWER 15 OF 58 CAPLUS COPYRIGHT 2005 ACS ON STN
 ACCESSION NUMBER: 2002:676007 CAPLUS
 DOCUMENT NUMBER: 137:216945
 TITLE: Preparation of substituted 2-(1H-indazol-6-ylamino)nicotinamides for treating KDR-related diseases
 INVENTOR(S): Chen, Guoqing; Adams, Jeffrey; Bemis, Jean; Croghan, Michael; DiPietro, Lucian; Dominguez, Celia; Elbaum, Daniel; Germain, Julie; Huang, Qi; Kim, Joseph L.; Ouyang, Xiaohu; Patel, Vinod F.; Smith, Leon M.; Tasker, Andrew; Xi, Ning; Xu, Shimin; Yuan, Chester
 PATENT ASSIGNEE(S): Amgen Inc., USA
 SOURCE: PCT Int. Appl., 395 pp.
 CODEN: PFXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

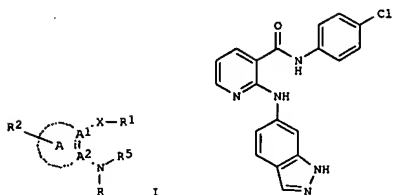
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002069406	A2	20020906	WO 2002-US3064	20020111
WO 2002069406	A3	20030424		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
US 2003195230	A1	20031016	US 2002-46622	20020110
CA 2434178	AA	20020906	CA 2002-2434178	20020111
EE 200300325	A	20031215	EE 2003-325	20020111
JP 2004527499	T2	20040909	JP 2002-567920	20020111
CN 1538836	A	20041020	CN 2002-806467	20020111
EP 1467721	A2	20041020	EP 2002-723086	20020111
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
ZA 2003005198	A	20040630	ZA 2003-5198	20030704
BG 108013	A	20040430	BG 2003-108013	20030721
PRIORITY APPLN. INFO.:			US 2001-261882P	P 20010112
			US 2001-323808P	P 20010919
			US 2002-46622	A 20020110
			WO 2002-US3064	W 20020111

OTHER SOURCE(S): MARPAT 137:216945
 GI

L36 ANSWER 14 OF 58 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



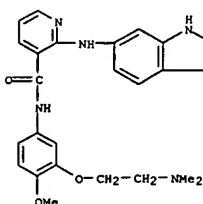
L36 ANSWER 15 OF 58 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



AB The title compds. [I; each of A1 and A2 = C, CH, N; A = 5-6 membered partially saturated heterocyclyl, 5-6 membered heteroaryl, 9-11 membered fused partially saturated heterocyclyl, etc.; X = C(2)N(R5)R4; Z = O, S; R = (un)substituted 4-6 membered heterocyclyl, aryl, fused 9-14 membered bicyclic or tricyclic heterocyclyl; R1 = (un)substituted 6-10 membered aryl, 4-6 membered heterocyclyl, cycloalkyl, etc.; R2 = H, halo, cycloalkyl, etc.; R4 = a bond, alkylene, alkenylene, etc.; R5 = H, alkyl, (un)substituted Ph, aralkyl; R5a is not defined] which are effective for prophylaxis and treatment of diseases, such as angiogenesis mediated diseases, were prepared. Thus, heating N-(4-chlorophenyl)-2-chloro-3-pyridinecarboxamide with 6-aminoindazole at 150° for 2 h afforded II which inhibited VEGF-stimulated HUVEC proliferation at level below 50 nM. Compds. I showed inhibition of KDR at doses less than 50 μM.

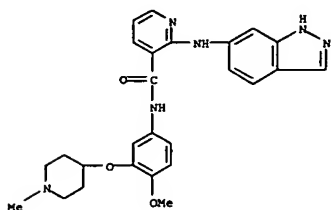
IT 454481-04-OP 454481-05-1P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of substituted 2-(1H-indazol-6-ylamino)nicotinamides for treating KDR-related diseases)

RN 454481-04-0 CAPLUS
 CN 3-Pyridinecarboxamide, N-[3-[2-(dimethylamino)ethoxy]-4-methoxyphenyl]-2-(1H-indazol-6-ylamino)- (9CI) (CA INDEX NAME)



RN 454481-05-1 CAPLUS

L36 ANSWER 15 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
CN 3-Pyridinecarboxamide,
2-(1H-indazol-6-ylamino)-N-[(4-methoxy-3-[(1-methyl-
4-piperidinyl)oxy]phenyl)-(9CI) (CA INDEX NAME)

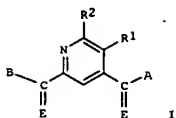


L36 ANSWER 16 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2002:637657 CAPLUS
DOCUMENT NUMBER: 137:185420
TITLE: Preparation of pyridinedicarboxamide and
-dicarboxylic acid derivatives as selective MMP-13 matrix metalloproteinase inhibitors with therapeutic uses
INVENTOR(S): Barvian, Nicole Chantel; Connor, David Thomas; O'Brien, Patrick Michael; Ortwine, Daniel Fred; Patt, William Chester; Shuler, Kevon Ray; Wilson, Michael William
PATENT ASSIGNEE(S): Warner-Lambert Company, USA
SOURCE: PCT Int. Appl., 68 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

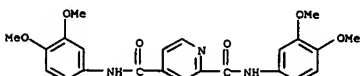
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002064568	A1	20020822	WO 2002-1B345	20020204
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG			
CA 2434982	AA	20020822	CA 2002-2434982	20020204
EP 1362033	A1	20031119	EP 2002-716263	20020204
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
EE 200300391	A	20031215	EE 2003-391	20020204
BR 2002007863	A	20040427	BR 2002-7863	20020204
JP 2004529878	T2	20040930	JP 2002-564501	20020204
CN 1537101	A	20041013	CN 2002-804945	20020204
US 2002161000	A1	20021031	US 2002-71073	20020208
US 6881743	B2	20050419		
ZA 2003006041	A	20041105	ZA 2003-6041	20030805
NO 2003003570	A	20030812	NO 2003-3570	20030812
BG 108089	A	20050131	BG 2003-108089	20030813
US 2004209922	A1	20041021	US 2004-842863	20040510
PRIORITY APPLN. INFO.:			US 2001-268781P	P 20010214
			WO 2002-1B345	W 20020204
			US 2002-71073	A3 20020208

OTHER SOURCE(S): MARPAT 137:185420
GI

L36 ANSWER 16 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



AB Selective MMP-13 inhibitors are pyridine derivs. (I; e.g. pyridine-2,4-dicarboxylic acid bis(3-methoxybenzylamide)) or a pharmaceutically acceptable salt thereof, wherein: R1 and R2 independently are H, halo, hydroxy, C1-C6 alkyl, C1-C6 alkoxy, C2-C6 alkenyl, C2-C6 alkynyl, NO2, NR4R5, CN, or CF3; E is independently O or S; A and B independently are OR4 or NR4R5; R4 and R5 independently are H, C1-C6 alkyl, C2-C6 alkenyl, C2-C6 alkynyl, (CH2)n aryl, (CH2)n cycloalkyl, (CH2)n heteroaryl, or R4 and R5 when taken together with the N to which they are attached complete a 3- to 8-membered ring containing C atoms and optionally containing a heteroatom selected from O, S, or NH, and optionally substituted or unsubstituted; n is 0 to 6. Although I and other Markush structures in the patent show 2,4- derivs., many specific 3,5- derivs. are included in the claims and examples. Combinatorial and non-combinatorial methods were used to prepare numerous claimed compds. and characterization data is reported for about 90 compds. IC50 values for various claimed compds. show the selectivity towards MMP-13 vs. MMP-1 and MMP-3 and the potent MMP-13 inhibitory activity (e.g. 0.033 μ M for pyridine-2,4-dicarboxylic acid bis(((1,3-benzodioxol-5-yl)methyl)amide)).
IT 449734-70-7P, Pyridine-2,4-dicarboxylic acid bis((3,4-dimethoxyphenyl)amide)
RL: CPN (Combinatorial preparation); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); CMBI (Combinatorial study); PREP (Preparation); USES (Uses)
derivs. as selective MMP-13 matrix metalloproteinase inhibitors with therapeutic uses)
RN 449734-70-7 CAPLUS
CN 2,4-Pyridinedicarboxamide, N,N'-bis(3,4-dimethoxyphenyl)-(9CI) (CA INDEX NAME)



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L36 ANSWER 16 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

L36 ANSWER 17 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2002:521710 CAPLUS
DOCUMENT NUMBER: 137:93690

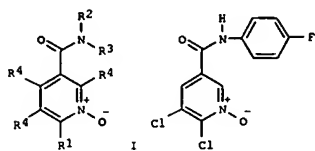
TITLE: Preparation of nicotinanilide-N-oxides as G-protein-coupled receptor antagonist for the treatment of inflammation due to neutrophil

INVENTOR(S): Cutshall, Neil S.; Yager, Craig M.
PATENT ASSIGNEE(S): Darwin Discovery Ltd., UK
SOURCE: PCT Int. Appl., 73 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002053544	A1	20020711	WO 2001-US47543	20011212
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, VZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2003004189	A1	20030102	US 2001-15861	20011212
US 2005026965	A1	20050203	US 2004-781340	20040217
PRIORITY APPLN. INFO.:			US 2000-258730P	P 20001229
			US 2001-15861	A3 20011212

OTHER SOURCE(S): MARPAT 137:93690
GI



II

AB Title compds. I, their optical isomers, diastereomers, enantiomers and pharmaceutically acceptable salts [wherein: R1 = R5, R5-heteroalkylene; R5 = H, halo, alkyl, heteroalkyl, etc.; R2, R3 = H, alkyl, heteroalkyl, aryl, etc.; R4 = H, halo, alkyl, heteroalkyl, etc.] were claimed. For example, hydrogen peroxide mediated N-oxidation of 2-chloro-N-(4-fluorophenyl)-6-methylnicotinamide provided claimed oxynicotinamide II in 10% yield. Nicotinanilide N-oxides I are disclosed to inhibit chemokine-mediated cellular and inflammation events. Specific binding of 95 claimed examples

L36 ANSWER 18 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2002:107327 CAPLUS
DOCUMENT NUMBER: 136:167394

TITLE: Preparation of carboxamide compounds and their use as antagonists of a human 11CBY receptor
INVENTOR(S): Johnson, Christopher Norbert; Jones, Martin; O'Toole, Catherine Anne; Stemp, Geoffrey; Thewlis, Kevin
Michael; Witty, David

PATENT ASSIGNEE(S): Smithkline Beecham P.L.C., UK
SOURCE: PCT Int. Appl., 77 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002010146	A1	20020207	WO 2001-EP8637	20010726
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2417638	AA	20020207	CA 2001-2417638	20010726
EP 1305304	A1	20030502	EP 2001-956562	20010726
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001012856	A	20030701	BR 2001-12856	20010726
JP 2004505070	T2	20040219	JP 2002-515877	20010726
ZA 2003000262	A	20040413	ZA 2003-262	20030109
NO 2003000471	A	20030328	NO 2003-471	20030130
BG 107510	A	20030930	BG 2003-107510	20030130
US 2004063686	A1	20040401	US 2003-343424	20030930
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			GB 2001-12544	A 20010523
			WO 2001-EP8637	W 20010726

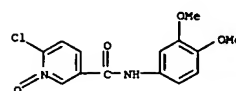
OTHER SOURCE(S): MARPAT 136:167394
GI

L36 ANSWER 17 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

to human interleukin 8 and human growth-regulatory oncogene- α (GRO- α) chemokine were reported as < or > 40% at 20 μ M ligand concn., e.g., compd. II > 40% for GRO- α , were disclosed. Also, the specific binding of 9 claimed examples to human chemokine CCR5, human interleukin-CXCR1, human interleukin-CXCR2, human neuropeptide Y1 and somatostatin, e.g., compd. II: < 40% for CCR5, somatostatin; > 40% for CXCR1, CXCR2; no data for NPY1, were disclosed. A method for the identification of nicotinanilide-N-oxides. I receptors from cell or cellular components and the isolation of compds. I which bind to TNF- α signaling proteins via affinity bead chromatog. and surface plasmon resonance (SPR) are claimed (no data).

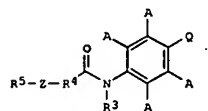
IT 442134-54-SP
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(Drug candidate; preparation of nicotinanilide-N-oxides as G-protein-coupled receptor antagonist)
RN 442134-54-5 CAPLUS
CN 3-Pyridinecarboxamide, 6-chloro-N-(3,4-dimethoxyphenyl)-, 1-oxide (9CI) (CA INDEX NAME)



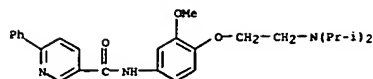
REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 18 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

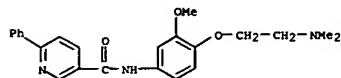


II

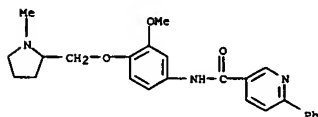
AB Title compds. [I; A = H, Cl-6alkyl optionally substituted by hydroxyl, Cl-6alkoxy, Cl-6alkenyl, Cl-6 acyl, halogeno, OH, CN, CF3; R3 = H, CH3, CH3CH2; R4 = aromatic carbocycle, heterocycle; Z = O, S, NH, CH2, single bond, at the 3 or 4 position of R4 relative to the carbonyl group; R5 = aromatic carbocycle, heterocycle; Q = XYNR1R2; X = O, S; Y = C2-4 alkylene, C5-6 cycloalkylene; R1, R2 independently = Cl-6 alkyl, phenyl-Cl-6 alkyl; R1R2 = 5-, 6-, 7-membered ring optionally containing one or more heteroatom selected from O, S, N; etc.], pharmaceutically acceptable salts, and solvate are prepared and as antagonists of a human 11CBY receptor. Title compds. and pharmaceutical composition are useful in the treatment and/or prophylaxis of one or more of the disorder, such as, major depression, manic depression, anxiety, etc. Thus, the title compound II was prepared from 2'-methyl-biphenyl-4-carboxylic acid and 4-(2-diisopropylamino-ethoxy)-3-methoxy-phenylamine in DMF in the presence of 1-(3-dimethylaminopropyl)-3-Et carbodiimide hydrochloride and 1-hydroxy-7-azabenzotriazole.
IT 395679-05-7P 395679-21-7P 395679-63-7P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(Preparation of carboxamide compds. as antagonists of human 11CBY receptor)
RN 395679-05-7 CAPLUS
CN 3-Pyridinecarboxamide, N-[4-[2-(bis(1-methylethyl)amino)ethoxy]-3-methoxyphenyl]-6-phenyl- (9CI) (CA INDEX NAME)



RN 395679-21-7 CAPLUS
CN 3-Pyridinecarboxamide, N-[4-[2-(dimethylamino)ethoxy]-3-methoxyphenyl]-6-phenyl- (9CI) (CA INDEX NAME)



RN 395679-63-7 CAPLUS
CN 3-Pyridinecarboxamide, N-[3-methoxy-4-[(1-methyl-2-pyrrolidinyl)methoxy]phenyl]-6-phenyl- (9CI) (CA INDEX NAME)

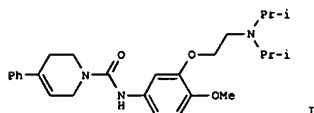
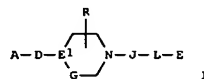


REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

ACCESSION NUMBER: 2002:71877 CAPLUS
DOCUMENT NUMBER: 136:134783
TITLE: Preparation of piperazine(or piperidine)-1-carboxamides as CCR5 modulators
INVENTOR(S): Bondinell, William E.; Neeb, Michael J.
PATENT ASSIGNEE(S): Smithkline Beecham Corporation, USA
SOURCE: PCT Int. Appl., 79 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

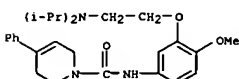
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002005819	A1	20020124	WO 2001-US22529	20010713
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, ME, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 2001080599	A5	20020130	AU 2001-80599	20010713
EP 1313477	A1	20030528	EP 2001-958995	20010713
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2004038982	A1	20040226	US 2003-343880	20030205
PRIORITY APPLN. INFO.:			US 2000-218509P	P 20000715
			WO 2001-US22529	W 20010713

OTHER SOURCE(S): MARPAT 136:134783
GI

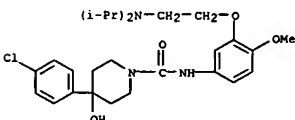


AB The title compds. [I; the basic N atom in moiety E may be optionally quaternized with alkyl or optionally present as the N-oxide; A = (un)substituted (hetero)aryl or (hetero)aryl fused to a saturated or partly unsatd. 5-7 membered ring; D = a bond, CO, SO2, etc.; E1G = NC(R26)2, NC(R26)2C(R26)2, CR27C(R26)2, C:CR26; R26 = H, alkyl; R27 = H, CN, NO2, etc.; R = H, alkyl; O: J = CO, SO2; L = NR30, O, C(R30)2; R30 = H, alkyl; E = 3-(2-diisopropylamino)ethoxy-4-methoxyphenyl, etc.] which are modulators, agonists or antagonists, of the CCR5 receptor, and therefore are useful in the treatment and prevention of disease states mediated by CCR5, including, but not limited to, asthma and atopic disorders (for example, atopic dermatitis and allergies), rheumatoid arthritis, sarcoidosis, or idiopathic pulmonary fibrosis and other fibrotic diseases, atherosclerosis, psoriasis, autoimmune diseases such as multiple sclerosis, treating and/or preventing rejection of transplanted organs, and inflammatory bowel disease, were prepared Thus, treating 4-phenyl-1,2,3,6-tetrahydropyridine.HCl with triphosgene in the presence of Et3N in CH2Cl2 followed by addition of 3-(2-diisopropylamino)ethoxy-4-methoxyaniline afforded II. The compds. I showed CCR5 receptor modulator activity having IC50 values in the range of 0.0001-100 µM. Furthermore, since CD8+ T cells have been implicated in COPD, CCR5 may play a role in their recruitment and therefore antagonists to CCR5 could provide potential therapeutic in the treatment of COPD. Also, since CCR5 is a co-receptor for the entry of HIV into cells, selective receptor modulators may be useful in the treatment of HIV infection.

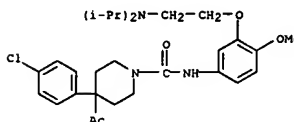
IT 286387-78-8P 391881-92-8P 391881-93-9P 391881-94-0P 391881-95-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(Preparation of piperazine(or piperidine)-1-carboxamides as CCR5 modulators)
RN 286387-78-8 CAPLUS
CN 1-(2H)-Pyridinecarboxamide, N-[3-[2-[bis(1-methylethyl)amino]ethoxy]-4-methoxyphenyl]-3,6-dihydro-4-phenyl- (9CI) (CA INDEX NAME)



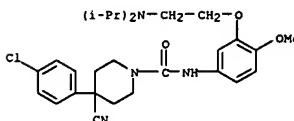
RN 391881-92-8 CAPLUS
CN 1-Piperidinecarboxamide, N-[3-[2-[bis(1-methylethyl)amino]ethoxy]-4-methoxyphenyl]-4-(4-chlorophenyl)-4-hydroxy- (9CI) (CA INDEX NAME)



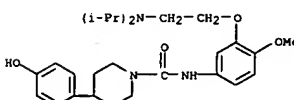
RN 391881-93-9 CAPLUS
CN 1-Piperidinecarboxamide, N-[3-[2-[bis(1-methylethyl)amino]ethoxy]-4-acetyl-N-[3-[2-[bis(1-methylethyl)amino]ethoxy]-4-methoxyphenyl]-4-(4-chlorophenyl)- (9CI) (CA INDEX NAME)



RN 391881-94-0 CAPLUS
CN 1-Piperidinecarboxamide, N-[3-[2-[bis(1-methylethyl)amino]ethoxy]-4-methoxyphenyl]-4-(4-chlorophenyl)-4-cyano- (9CI) (CA INDEX NAME)



RN 391881-95-1 CAPLUS
CN 1-Piperidinecarboxamide, N-[3-[2-[bis(1-methylethyl)amino]ethoxy]-4-methoxyphenyl]-4-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)



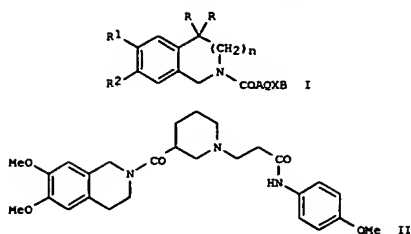
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L36 ANSWER 20 OF 58 CAPLUS COPYRIGHT 2005 ACS ON STN
 ACCESSION NUMBER: 2000:881143 CAPLUS
 DOCUMENT NUMBER: 134:42075
 TITLE: Preparation of novel isoquinoline derivatives as If current inhibitors
 INVENTOR(S): Watanabe, Toshihiro; Kakefuda, Akio; Okazaki, Toshio; Masuda, Noriyuki; Wada, Koichi
 PATENT ASSIGNEE(S): Yamanouchi Pharmaceutical Co., Ltd., Japan
 SOURCE: PCT Int. Appl., 42 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

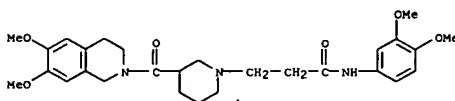
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000075133	A1	20001214	WO 2000-JP3564	20000601
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NZ, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2373880	AA	20001214	CA 2000-2373880	20000601
EP 1186601	A1	20020313	EP 2000-931652	20000601
EP 1186601	B1	20040324		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
CN 1136213	B	20040128	CN 2000-808270	20000601
AT 262518	E	20040415	AT 2000-931652	20000601
PT 1186601	T	20040630	PT 2000-931652	20000601
ES 2214276	T3	20040916	ES 2000-931652	20000601
US 6573279	B1	20030603	US 2001-980402	20011203
			JP 1999-156217	A 19990603
PRIORITY APPLN. INFO.:			WO 2000-JP3564	W 20000601

OTHER SOURCE(S): MARPAT 134:42075
 GI

L36 ANSWER 20 OF 58 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



AB Title compds. [I: R = H, CH3; R1 = H, OCH3; R2 = H, OCH3; n = 1, 2; Q = CH2, CH2CH2, CH2CH2CH2; X = CONH, NHCO; A = pyrrolidyl, pyrrolidinyl, piperidinyl; B = benzene, indenyl, pyridinyl, benzofuryl, etc.], stereoisomers, and salts having If current inhibitory effect without serious side effects such as convulsion are prepared and drugs, particularly cardiac rate lowering agents containing title compds. as active ingredient are discussed. Title compds. are useful in preventing ischemic heart diseases such as precordial anxiety (thoracic precordial anxiety) and myocardial infarct, and circulatory diseases such as congestive heart failure and arrhythmia (supraventricular arrhythmia, etc.). Thus, the title compound II was prepared
 IT 312737-97-6P
 RL: SPN (Synthetic preparation): THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (Preparation of isoquinoline derivs. as If current inhibitors)
 RN 312737-97-6 CAPLUS
 CN 1-Piperidinepropanamide, 3-[(3,4-dihydro-6,7-dimethoxy-2(1H)-isoquinolinyl)carbonyl]-N-(3,4-dimethoxyphenyl)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

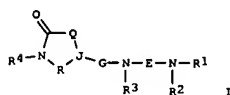
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS

L36 ANSWER 20 OF 58 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
 RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT

L36 ANSWER 21 OF 58 CAPLUS COPYRIGHT 2005 ACS ON STN
 ACCESSION NUMBER: 2000:790471 CAPLUS
 DOCUMENT NUMBER: 133:350145
 TITLE: Preparation of cyclic amide compounds as chemokine receptor antagonists
 INVENTOR(S): Ishihara, Yuji; Imamura, Shinichi; Hashiguchi, Shohai
 Nishimura, Osamu; Kanzaki, Naoyuki; Baba, Masanori
 PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan
 SOURCE: PCT Int. Appl., 109 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

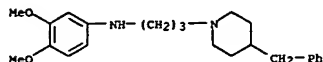
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000066551	A1	20001109	WO 2000-JP2765	20000427
W: AE, AG, AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CR, CU, CZ, DM, DZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MA, MD, MG, MK, MN, MX, NA, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2371618	AA	20001109	CA 2000-2371618	20000427
JP 2001011073	A2	20010116	JP 2000-132861	20000427
EP 1180513	A1	20020220	EP 2000-921055	20000427
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
PRIORITY APPLN. INFO.:			JP 1999-122549	A 19990428
			WO 2000-JP2765	W 20000427

OTHER SOURCE(S): MARPAT 133:350145
 GI



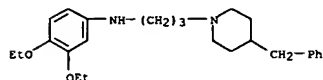
AB The title compds. I [R1 is hydrocarbonyl and R2 is hydrocarbonyl having two or more carbon atoms, or R1 and R2 together with the nitrogen atom adjacent thereto may form a ring which may be substituted; R3 is optionally substituted hydrocarbonyl or a heterocyclic group; R4 is hydrogen, hydrocarbonyl, a heterocyclic group, or the like; E is a divalent chain hydrocarbon group or the like; G is CO or SO2; J is nitrogen, a methine group, or the like; and Q and R are each a divalent C1-C3 chain hydrocarbon group or the like] are prepared I exhibit excellent CCR5

L36 ANSWER 21 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
antagonism and are useful as preventive or therapeutic drugs for HIV
infection of human peripheral blood monocytes, particularly AIDS. In an
vitro test for CCR5 antagonism, N-[3-(4-benzyl-1-piperidinyl)propyl]-1-
methyl-5-oxo-N-phenyl-3-pyrrolidinecarboxamide hydrochloride at 1 μ M
gave 57% inhibition of binding of RANTES to the CCR5 receptors.
Formulations are given.
IT 304858-79-SP 304858-81-9P
RN 304858-79-5 CAPLUS
CN 1-Piperidinepropanamine, N-(3,4-dimethoxyphenyl)-4-(phenylmethyl)-,
dihydrochloride (9CI) (CA INDEX NAME)
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation of cyclic amide compds. as chemokine receptor
antagonists)



● 2 HCl

RN 304858-81-9 CAPLUS
CN 1-Piperidinepropanamine, N-(3,4-diethoxyphenyl)-4-(phenylmethyl)-,
dihydrochloride (9CI) (CA INDEX NAME)



● 2 HCl

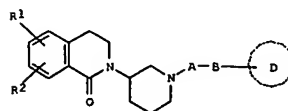
REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L36 ANSWER 22 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2000:765438 CAPLUS
DOCUMENT NUMBER: 133:321809
TITLE: Preparation of isoquinolinone derivatives for
treatment of cardiovascular diseases
INVENTOR(S): Watanabe, Toshihiro; Kakefuda, Akio; Okazaki, Toshio;
Masuda, Noriyuki
PATENT ASSIGNEE(S): Yamanouchi Pharmaceutical Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.
CODEN: JKOAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000302778	A2	20001031	JP 1999-119475	19990427

PRIORITY APPL. INFO.: JP 1999-119475 19990427

OTHER SOURCE(S): MARPAT 133:321809
GI



AB The title compds. 1 (R1, R2 = H, alkyl, etc.; or R1R2 = O-alkylene-O; A =
alkylene; B = CONH, etc.; ring D = (un)substituted hydrocarbon ring,
etc.)

are prepared. The title compds. are said to show heart rate decreasing
effect in a pharmacol. test.

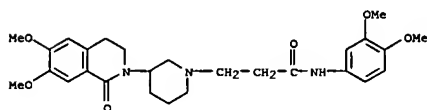
IT 303129-08-0P 303129-09-1P 303129-33-1P
303129-57-9P

RL: BAC (Biological activity or effector, except adverse); BSU
(Biological

study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of isoquinolinone derivs. for treatment of cardiovascular
diseases)

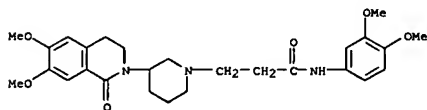
RN 303129-08-0 CAPLUS
CN 1-Piperidinepropanamide, 3-(3,4-dihydro-6,7-dimethoxy-1-oxo-2(1H)-
isoquinolinyl)-N-(3,4-dimethoxyphenyl)-, monohydrochloride (9CI) (CA
INDEX NAME)

L36 ANSWER 22 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

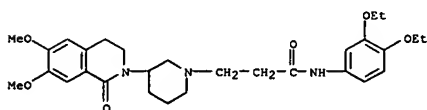


● HCl

RN 303129-09-1 CAPLUS
CN 1-Piperidinepropanamide, 3-(3,4-dihydro-6,7-dimethoxy-1-oxo-2(1H)-
isoquinolinyl)-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)



RN 303129-33-1 CAPLUS
CN 1-Piperidinepropanamide, N-(3,4-diethoxyphenyl)-3-(3,4-dihydro-6,7-
dimethoxy-1-oxo-2(1H)-isoquinolinyl)-, monohydrochloride (9CI) (CA INDEX
NAME)



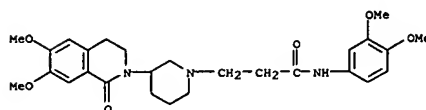
● HCl

RN 303129-57-9 CAPLUS
CN 1-Piperidinepropanamide, 3-(3,4-dihydro-6,7-dimethoxy-1-oxo-2(1H)-
isoquinolinyl)-N-(3,4-dimethoxyphenyl)-, (2Z)-2-butenedioate (2:1) (9CI)
(CA INDEX NAME)

CH 1

CRN 303129-09-1
CMF C27 H35 N3 O6

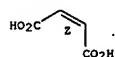
L36 ANSWER 22 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



CH 2

CRN 110-16-7
CMF C4 H4 O4

Double bond geometry as shown.



L36 ANSWER 23 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2000:513446 CAPLUS
DOCUMENT NUMBER: 133:129863
TITLE: Heterocyclic compound modulators of the CCR5 receptor,
preparation thereof, and therapeutic use
INVENTOR(S): Bondinell, William E.; Neeb, Michael J.
PATENT ASSIGNEE(S): Smithkline Beecham Corporation, USA
SOURCE: PCT Int. Appl., 43 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000042852	A1	20000727	WO 2000-US1908	20000125
W: AE, AL, AU, BA, BB, BG, BR, CA, CN, CZ, EE, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MX, MO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TH				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1146790	A1	20011024	EP 2000-909984	20000125
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002535256	T2	20021022	JP 2000-594326	20000125
PRIORITY APPLN. INFO.: US 1999-117044P P 19990125				
WO 2000-US1908 W 20000125				

OTHER SOURCE(S): MARPAT 133:129863

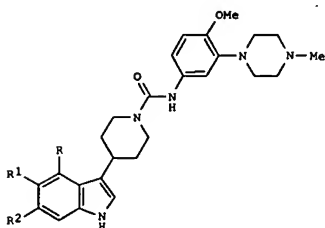
AB Substituted heterocyclic compds. are provided which are modulators, agonists or antagonists of the CCR5 receptor. Also disclosed is the treatment and prevention of disease states mediated by CCR5, including, but not limited to, asthma and atopic disorders (for example, atopic dermatitis and allergies), rheumatoid arthritis, sarcoidosis and other fibrotic diseases, atherosclerosis, psoriasis, autoimmune diseases such as multiple sclerosis, and inflammatory bowel disease, all in mammals, by the use of substituted heterocyclic compds. which are CCR5 receptor antagonists. Furthermore, since CD8+ T cells have been implicated in COPD, CCR5 may play a role in their recruitment and therefore antagonists to CCR5 could provide potential therapeutic in the treatment of COPD. Also, since CCR5 is a co-receptor for the entry of HIV into cells, selective receptor modulators may be useful in the treatment of HIV infection.

IT 286387-78-8P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (heterocyclic compound modulators of CCR5 receptor, preparation, and therapeutic use)

RN 286387-78-8 CAPLUS
CN 1(2H)-Pyridinecarboxamide, N-[3-[2-[bis(1-methylethyl)amino]ethoxy]-4-methoxyphenyl]-3,6-dihydro-4-phenyl- (9CI) (CA INDEX NAME)

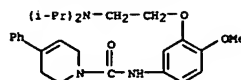
L36 ANSWER 24 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2000:136049 CAPLUS
DOCUMENT NUMBER: 132:308212
TITLE: 5-HT reuptake inhibitors with 5-HT1B/1D antagonistic activity: a new approach toward efficient antidepressants
AUTHOR(S): Matzen, Lisa; Van Amsterdam, Christoph; Rautenberg, Wilfried; Greiner, Hartmut E.; Harting, Juergen; Seyfried, Christoph A.; Boettcher, Henning
CORPORATE SOURCE: CNS Departments Preclinical Pharmaceutical Research, Merck KGaA, Darmstadt, 64271, Germany
SOURCE: Journal of Medicinal Chemistry (2000), 43(6), 1149-1157
CODEN: JMCMAR; ISSN: 0022-2623
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 132:308212
GI



AB As part of the authors' research program toward new, potential antidepressants, a series of unsym. ureas has been prepared and evaluated as 5-HT reuptake inhibitors with 5-HT1B/1D antagonistic activities. The design of these compds. was based on coupling of various indole derivs., previously shown to inhibit 5-HT reuptake, to three different aniline moieties, which are part of known 5-HT1B/1D ligands. Binding expts. in rat frontal cortex using [125I]iodocyanopindolol, in calf striatum using [3H]5-HT, and in rat hippocampus using [3H]8-OH-DPAT as radioligands, resp., revealed significantly higher affinity at the 5-HT1B receptor as compared to the affinities for the 5-HT1A and 5-HT1D receptors for a number of compds., among them 4-(5-fluoro-1H-indol-3-yl)piperidine-1-carboxylic acid [4-methoxy-3-(4-methylpiperazin-1-yl)phenyl]amide I (R = R2 = H; R1 = F), the corresponding 4-fluoro-1H-indol-3-yl analog I (R = F; R1 = R2 = H), and the corresponding 6-fluoro-1H-indol-3-yl analog I (R = R1 = H; R2 = F). Conformational restriction of the aniline moiety in I only slightly enhanced the 5-HT1B affinity, whereas introduction of an aniline moiety with higher conformational flexibility resulted in a less potent 5-HT1B

L36 ANSWER 23 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

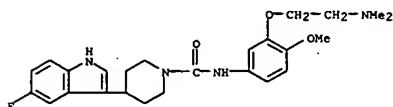


REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L36 ANSWER 24 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

receptor ligand as compared to I. The functional 5-HT1B/1D antagonistic activity was investigated using the rabbit saphenous vein model as well as the [3H]5-HT release from guinea pig cortical slices. All new compds. tested in the rabbit saphenous vein model were shown to antagonize the sumatriptan-evoked contractile responses with pA2 values ranging from 7.3 to 8.7. These observations were consistent with the results of the cortical slice model, in which the ureas were found to block the sumatriptan-induced inhibition of potassium-evoked [3H]5-HT release. The 5-HT reuptake inhibition of the ureas detd. in rat brain synaptosomes was found to be either increased or decreased as compared to the uncoupled indole derivs. indicating that the reuptake inhibition shown by the ureas is not only due to the indole part but also affected by the aniline moiety of the mol. Among this series of compds. described the ureas I seem to be the most interesting candidates showing both 5-HT reuptake inhibition and 5-HT1B/1D antagonism in vitro. This dual pharmacol. profile should in theory lead to a pronounced enhancement in serotonergic neurotransmission and consequently to a more efficient treatment of depression.

IT 265129-57-5P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation) (preparation and 5-HT1B/1D antagonist activity of indole derivs.)
RN 265129-57-5 CAPLUS
CN 1-Piperidinecarboxamide, N-[3-[2-(dimethylamino)ethoxy]-4-methoxyphenyl]-4-(5-fluoro-1H-indol-3-yl)-, monohydrochloride (9CI) (CA INDEX NAME)



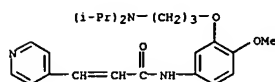
● HCl

REFERENCE COUNT: 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

ACCESSION NUMBER: 2000:98318 CAPLUS
 DOCUMENT NUMBER: 132:151565
 TITLE: Preparation of cinnamanilides and analogs as CCR5
 receptor modulators
 INVENTOR(S): Bondinell, William E.
 PATENT ASSIGNEE(S): Smithkline Beecham Corporation, USA
 SOURCE: PCT Int. Appl., 79 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000006153	A1	20000210	WO 1999-US17117	19990728
W: CA, JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2338804	AA	20000210	CA 1999-2338804	19990728
EP 1100495	A1	20010523	EP 1999-937585	19990728
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
PRIORITY APPLN. INFO.:			US 1998-94405P	P 19980728
			WO 1999-US17117	W 19990728

OTHER SOURCE(S): MARPAT 132:151565
 AB ACR3:CR42R1 [I; R = (un)substituted heterocyclyl or -aryl; R1 = (un)substituted aminoalkoxyphenyl, -aminoalkenylphenyl, etc.; R3 = H or alkyl; R4 = H, halo, (carbamoxy)alkyl; Z = (un)substituted CONH] were prepared. Thus, 3-[2-(diisopropylamino)ethoxy]-4-methoxyaniline was amidated by 3,4-dichlorobenzoyl chloride to give RCH:CHCONHR1 [R = C6H3Cl2-3,4, R1 = 3-[2-(diisopropylamino)ethoxy]-4-methoxyphenyl]. Data for biol. activity of 1 were given.
 IT 257872-58-5P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of cinnamanilides and analogs as CCR5 receptor modulators)
 RN 257872-58-5 CAPLUS
 CN 2-Propenamide, N-[3-[3-(bis(1-methylethyl)amino)propoxy]-4-methoxyphenyl]-3-(4-pyridinyl)- (9CI) (CA INDEX NAME)

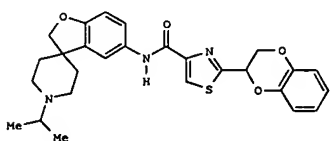


REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 2000:98238 CAPLUS
 DOCUMENT NUMBER: 132:151811
 TITLE: Preparation of heterocyclecarboxamides and analogs as CCR5 receptor modulators
 INVENTOR(S): Neeb, Michael J.; Bondinell, William E.; Ku, Thomas W.
 PATENT ASSIGNEE(S): Smithkline Beecham Corporation, USA
 SOURCE: PCT Int. Appl., 56 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000006085	A2	20000210	WO 1999-US17118	19990728
WO 2000006085	A3	20000504		
W: CA, JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2338697	AA	20000210	CA 1999-2338697	19990728
EP 1102535	A2	20010530	EP 1999-937586	19990728
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002521408	T2	20020716	JP 2000-561942	19990728
US 6399656	B1	20020604	US 2001-744629	20010409
PRIORITY APPLN. INFO.:			US 1998-94414P	P 19980728
			US 1998-94424P	P 19980728
			WO 1999-US17118	W 19990728

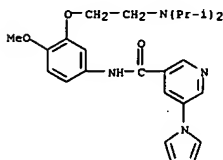
OTHER SOURCE(S): MARPAT 132:151811
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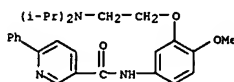
AB Title compds. were prepared. Thus, 5-amino-1'-(1-methylethyl)spiro[benzofuran-3(2H),4'-piperidine] (preparation given) was amidated by 2-(2,3-dihydro-1,4-benzodioxin-2-yl)thiazole-4-carboxylic acid to give title compound I. Data for biol. activity of title compds. were given.
 IT 257875-33-5P 257875-36-8P 257875-38-0P
 257875-44-8P 257875-45-9P 257875-46-0P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological)

L36 ANSWER 26 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of heterocyclecarboxamides and analogs as CCR5 receptor modulators)

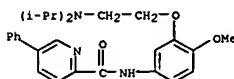
RN 257875-33-5 CAPLUS
 CN 3-Pyridinecarboxamide, N-[3-[2-(bis(1-methylethyl)amino)ethoxy]-4-methoxyphenyl]-5-(1H-pyrrol-1-yl)- (9CI) (CA INDEX NAME)



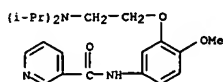
RN 257875-36-8 CAPLUS
 CN 3-Pyridinecarboxamide, N-[3-[2-(bis(1-methylethyl)amino)ethoxy]-4-methoxyphenyl]-6-phenyl- (9CI) (CA INDEX NAME)



RN 257875-38-0 CAPLUS
 CN 2-Pyridinecarboxamide, N-[3-[2-(bis(1-methylethyl)amino)ethoxy]-4-methoxyphenyl]-5-phenyl- (9CI) (CA INDEX NAME)

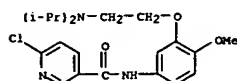


RN 257875-44-8 CAPLUS
 CN 3-Pyridinecarboxamide, N-[3-[2-(bis(1-methylethyl)amino)ethoxy]-4-methoxyphenyl]- (9CI) (CA INDEX NAME)

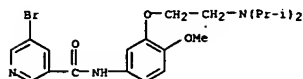


L36 ANSWER 26 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

RN 257875-45-9 CAPLUS
CN 3-Pyridinecarboxamide, N-[3-[2-[bis(1-methylethyl)amino]ethoxy]-4-methoxyphenyl]-6-chloro- (9CI) (CA INDEX NAME)

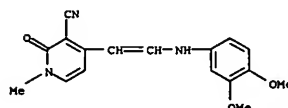


RN 257875-46-0 CAPLUS
CN 3-Pyridinecarboxamide, N-[3-[2-[bis(1-methylethyl)amino]ethoxy]-4-methoxyphenyl]-5-bromo- (9CI) (CA INDEX NAME)



L36 ANSWER 27 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1999:516208 CAPLUS
DOCUMENT NUMBER: 131:228630
TITLE: Alkyl azinyl carbonitriles as building blocks in heterocyclic synthesis. A route for the synthesis of 4-methyl-2-oxopyridines
AUTHOR(S): Al-Mousawi, S. M.; George, K. S.; Elmagdi, M. H.
CORPORATE SOURCE: Chemistry Department, Faculty Science, Kuwait Univ., Safat, 13060, Kuwait
SOURCE: Pharmazie (1999), 54(8), 571-574
CODEN: PHARAT; ISSN: 0031-7144
PUBLISHER: Govi-Verlag Pharmazeutischer Verlag
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 131:228630
AB The reaction of AcCH:CHOMe2 with active methylene reagents afforded enamino amides Me2NCH:CHOMe:CRCONH2 (I; R = CN, CO2Et), which readily cyclized to give 1,2-dihydro-2-oxo-4-methylpyridine-3-nitrile (II) and -carboxylate, resp. Condensation of II with DMFMA afforded N-methyl-2-methoxy-4-[2-(dimethylamino)ethenyl]pyridine-3-nitrile. Subsequent coupling with aryl diazonium chlorides yields 1-(phenylhydrazono)-1-(2-oxopyridin-3-yl)glyoxals. Coupling reaction of I with aromatic diazonium salts afforded 5-(aryloxy)-2-pyridones.
IT 243860-83-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(Preparation of methylpyridones)
RN 243860-83-5 CAPLUS
CN 3-Pyridinecarbonitrile, 4-[2-[(3,4-dimethoxyphenyl)amino]ethenyl]-1,2-dihydro-1-methyl-2-oxo- (9CI) (CA INDEX NAME)



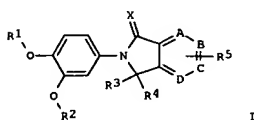
REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L36 ANSWER 28 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1998:682069 CAPLUS
DOCUMENT NUMBER: 129:275840
TITLE: Preparation of novel 3,4-dialkoxyphenylisoindolinones and -pyrrolopyridines as tumor necrosis factor-α (TNF-α) inhibitors
INVENTOR(S): Baik, Kyong-Up; Yoo, Eun-Sook; Byun, Young-Seok; Lee, Seck-Jong; Jang, Byung-Soo; Son, Ho-Jun; Lee, Jae-Ho; Cho, Jae-Youl; Lee, Se-Jong; Chang, Woo-Ik; Lee, June-goo; Park, Ji-soo; Lee, Byung-goo; Park, Joon-seok; Moon, Seong-cheol; Park, Myung-hwan
PATENT ASSIGNEE(S): Daewoong Pharmaceutical Co., Ltd., S. Korea
SOURCE: PCT Int. Appl., 88 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9842666	A1	19981001	WO 1998-KR48	19980317
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HU, ID, IL, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9866365	A1	19981020	AU 1998-66365	19980317
PRIORITY APPLN. INFO.:			KR 1997-9706	A 19970321
			WO 1998-KR48	W 19980317

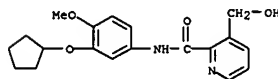
OTHER SOURCE(S): MARPAT 129:275840
GI



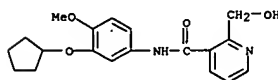
AB The title compds. [I: X = O, S; A, B, C, D = C, N, N-oxide; R1 = lower alkyl; R2 = lower alkyl, cycloalkyl, hydroxycycloalkyl, etc.; R3 = H, OH; R4 = H, halo, N3, etc.; R5 = H, halo, OH, etc.], having the activity to inhibit tumor necrosis factor-α (TNF-α), and therefore useful in the treatment of inflammatory disease, autoimmune disease, arthritis, asthma, type I diabetes mellitus, etc., were prepared and formulated.
Thus, reaction of 2-(3-(cyclopentylloxy)-4-methoxyphenyl)isoindolin-1,3-dione (preparation described) with MeMgBr in THF followed by treatment of a solution of the resulting 3-methyl-3-hydroxy-2-(3-(cyclopentylloxy)-4-

L36 ANSWER 28 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

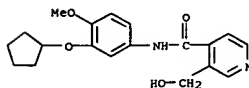
methoxyphenyl)isoindolin-1-one in CH2Cl2 with Et3SiH and F3CCO2H afforded I [X = O; A-D = C; R1 = Me; R2 = cyclopentyl; R3 = H; R4 = Me; R5 = H] which showed 90% inhibitory activity against TNF-α synthesis in vitro.
IT 214070-82-3P 214070-85-6P 214070-87-8P
214070-89-0P 214070-92-5P 214070-95-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(Preparation of novel 3,4-dialkoxyphenylisoindolinones and -pyrrolopyridines as tumor necrosis factor-α (TNF-α) inhibitors)
RN 214070-82-3 CAPLUS
CN 2-Pyridinecarboxamide, N-[3-(cyclopentylloxy)-4-methoxyphenyl]-3-(hydroxymethyl)- (9CI) (CA INDEX NAME)



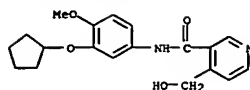
RN 214070-85-6 CAPLUS
CN 3-Pyridinecarboxamide, N-[3-(cyclopentylloxy)-4-methoxyphenyl]-2-(hydroxymethyl)- (9CI) (CA INDEX NAME)



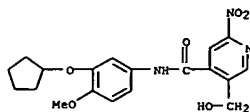
RN 214070-87-8 CAPLUS
CN 4-Pyridinecarboxamide, N-[3-(cyclopentylloxy)-4-methoxyphenyl]-3-(hydroxymethyl)- (9CI) (CA INDEX NAME)



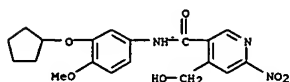
RN 214070-89-0 CAPLUS
CN 3-Pyridinecarboxamide, N-[3-(cyclopentylloxy)-4-methoxyphenyl]-4-(hydroxymethyl)- (9CI) (CA INDEX NAME)



RN 214070-92-5 CAPLUS
CN 4-Pyridinecarboxamide, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-5-(hydroxymethyl)-2-nitro- (9CI) (CA INDEX NAME)



RN 214070-95-8 CAPLUS
CN 3-Pyridinecarboxamide, N-[3-(cyclopentyloxy)-4-methoxyphenyl]-4-(hydroxymethyl)-6-nitro- (9CI) (CA INDEX NAME)

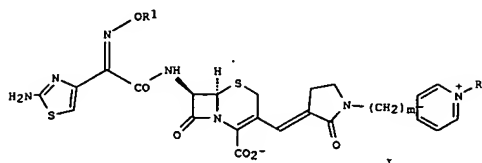


REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 29 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1998:298053 CAPLUS
DOCUMENT NUMBER: 128:321502
TITLE: preparation of pyridinium-substituted (lactamylvinyl)cephalosporin derivatives for use as antibiotics
INVENTOR(S): Angehrn, Peter; Heinze-krauss, Ingrid; Page, Malcolm; Weiss, Urs
PATENT ASSIGNEE(S): F. Hoffmann-La Roche A.-G., Switz.
SOURCE: Eur. Pat. Appl., 40 pp.
CODEN: EPXKJW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 838465	A1	19980429	EP 1997-117810	19971015
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO	B	200010721	TW 1997-8611934	19970820
TW 446707	B	200010721	TW 1997-8611934	19970820
CA 2214677	AA	19980422	CA 1997-2214677	19970904
US 5935950	A	19990810	US 1997-924626	19970905
ZA 9709244	A	19980422	ZA 1997-9244	19971015
NO 9704759	A	19980423	NO 1997-4759	19971015
JP 10120687	A2	19980512	JP 1997-285233	19971017
JP 3004954	B2	20000131		
CN 1184815	A	19980617	CN 1997-121166	19971020
AU 9742775	A1	19980430	AU 1997-42775	19971021
AU 727502	B2	20001214		
BR 9705113	A	19981027	BR 1997-5113	19971022
PRIORITY APPLN. INFO.:			EP 1996-116927	A 19961022

OTHER SOURCE(S): MARPAT 128:321502
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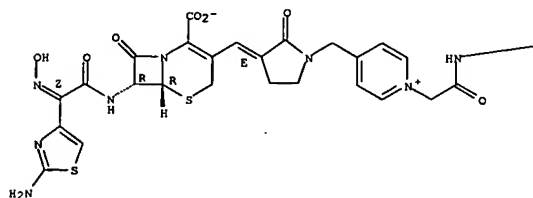


AB Synthesis of cephalosporin pyridinium derivs. (I) (R1 = H, (un)substituted alkyl, cycloalkyl, acetyl; X = CH, N; m = 0, 1; R2 = H, (un)substituted alkyl, (un)substituted benzyl, (un)substituted alkyl-heterocyclyl; R2 = (un)N-substituted CH2CONH2) are reported with the proviso that m is 1, when the pyridinium ring A is a pyridinium-4-yl; as well as readily

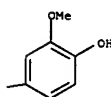
L36 ANSWER 29 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
hydrolysable esters thereof, pharmaceutically acceptable salts of said compds. and hydrates of the compds. of formula I and of their esters and salts. Thus, I (R1 = H, X = CH, m = 1, R2 = 3-F-4-HOC6H3NHC(=O)CH2) (II)
was prepd. in seven steps by cyclization and triphenylphosphinylation of 2-bromo-4-chlorobutanoyl chloride and 4-picolyamine followed by Wittig olefination of (2R,6R,7R)-tert-butoxycarbonylamino-3-formyl-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-3-ene-2-carboxylic acid benhydriyl ester, oxidative rearrangement with m-chloroperbenzoic acid, sulfoxide redn. with PBr3 and HBr salt formation, pyridine alkylation with BrCH2CONHCH3-3F-4HO, deprotection with TFA, and acylation with (2)-[2-aminothiazol-4-yl]trityloxyminoacetic acid 1-benzotriazolyl ester. I are useful β -lactam antibiotics and II shows an MIC of 8 μ g/mL against MIC90 MRSA in in vitro activity against S. aureus.
IT 206992-41-8P 206992-73-6P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of pyridinium-substituted (lactamylvinyl)cephalosporin derivs. for use as antibiotics)
RN 206992-41-8 CAPLUS
CN Pyridinium, 4-[[[(3E)-3-[[[(6R,7R)-7-[[[(2Z)-(2-amino-4-thiazolyl)(hydroxymino)acetyl]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methylene]-2-oxo-1-pyrrolidinyl]methyl]-1-[2-[(4-hydroxy-3-methoxyphenyl)amino]-2-oxoethyl]-, inner salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A



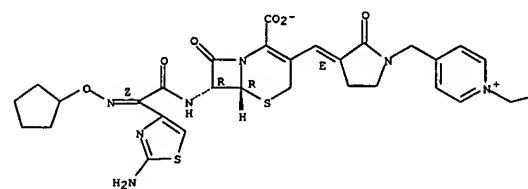
L36 ANSWER 29 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
PAGE 1-B



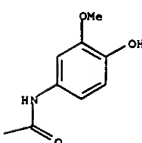
RN 206992-73-6 CAPLUS
CN Pyridinium, 4-[[[(3E)-3-[[[(6R,7R)-7-[[[(2Z)-(2-amino-4-thiazolyl)(hydroxymino)acetyl]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methylene]-2-oxo-1-pyrrolidinyl]methyl]-1-[2-[(4-hydroxy-3-methoxyphenyl)amino]-2-oxoethyl]-, inner salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A



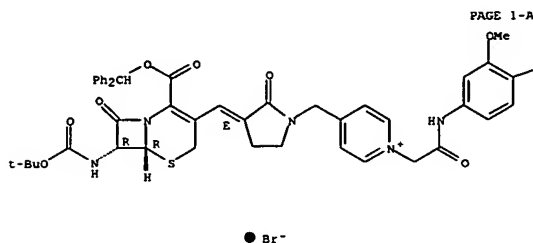
PAGE 1-B



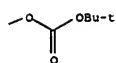
IT 206993-40-0P 206993-75-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of pyridinium-substituted (lactamylvinyl)cephalosporin derivs.

L36 ANSWER 29 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
for use as antibiotics)
RN 206993-40-0 CAPLUS
CN Pyridinium,
4-[[[(3E)-3-[[[(1,1-dimethylethoxy)carbonyl]amino]-2-
[[4-(diphenylmethoxy)carbonyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-
yl]methylene]-2-oxo-1-pyrrolidinyl]methyl]-1-[2-[[4-[[[(1,1-
dimethylethoxy)carbonyl]oxy]-3-methoxyphenyl]amino]-2-oxoethyl]-, bromide
(9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



PAGE 1-B



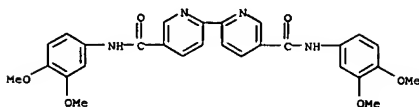
RN 206993-75-1 CAPLUS
CN Pyridinium, 4-[[[(3E)-3-[[[(6R,7R)-7-amino-2-carboxy-8-oxo-5-thia-1-
azabicyclo[4.2.0]oct-2-en-3-yl]methylene]-2-oxo-1-pyrrolidinyl]methyl]-1-
[2-[[4-(4-hydroxy-3-methoxyphenyl)amino]-2-oxoethyl]-, salt with
trifluoroacetic acid (1:1) (9CI) (CA INDEX NAME)

CH 1

CRN 206993-74-0
CMF C27 H28 N5 O7 S

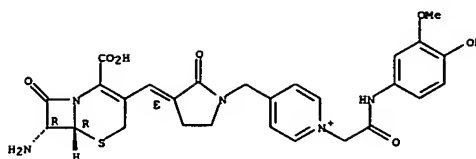
Absolute stereochemistry.
Double bond geometry as shown.

L36 ANSWER 30 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1997:24353 CAPLUS
DOCUMENT NUMBER: 126:112364
TITLE: Chloride anion recognition by neutral platinum(II)
and
palladium(II) 5,5'-bis-amide substituted bipyridyl
receptor molecules
AUTHOR(S): Beer, Paul D.; Fletcher, Nicholas C.; Drew, Michael
G.
CORPORATE SOURCE: B.; Wear, Trevor J.
Inorganic Chemistry Laboratory, University of Oxford,
Oxford, OX1 3QR, UK
SOURCE: Polyhedron (1996), Volume Date 1997, 16(5), 815-823
CODEN: PLYHDE; ISSN: 0277-5387
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
AB New acyclic Pt(II) and Pd(II) 5,5'-bis-amide substituted 2,2'-bipyridyl
receptors were synthesized and single-crystal structural studies of two
receptors are described. 1H NMR anion binding studies reveal that these
neutral receptors recognize chloride anions in DMSO solution
IT 152387-94-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(for preparation of palladium and platinum amidobipyridine chloro
complexes)
RN 152387-94-5 CAPLUS
CN [2,2'-Bipyridine]-5,5'-dicarboxamide, N,N'-bis(3,4-dimethoxyphenyl)-
(9CI)
(CA INDEX NAME)



REFERENCE COUNT: 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L36 ANSWER 29 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



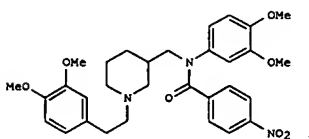
CH 2

CRN 14477-72-6
CMF C2 F3 O2

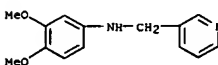


REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

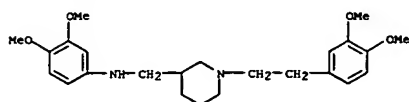
L36 ANSWER 31 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1996:593888 CAPLUS
DOCUMENT NUMBER: 125:221598
TITLE: Preparation of N-aryl-N-heterocyclylalkyl-4-
nitrobenzamides and analogs as antiarrhythmics
INVENTOR(S): Nadler, Guy Marguerite Marie Gerard; Souchet, Michel
Louis; Legave, Marie Noel Genevieve
PATENT ASSIGNEE(S): Smithkline Beecham Laboratoires Pharmaceutiques, Fr.
SOURCE: Fr. Demande, 29 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:
PATENT NO. KIND DATE APPLICATION NO. DATE
FR 2729142 A1 19960712 FR 1995-106 19950106
PRIORITY APPLN. INFO.: FR 1995-106 19950106
OTHER SOURCE(S): MARPAT 125:221598
GI



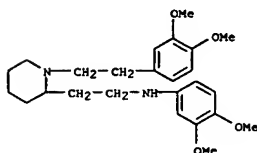
AB R121N(22R2)24Z23R3 [R1 = (un)substituted Ph; R2 = (hetero)aryl,
arylalk(enyl), etc.; R3 = (hetero)aryl; Z = N-containing (un)substituted
heterocyclylene; Z1 = bond, CH2, OCH2CH2, etc.; Z2 = CO, NHCO, SO2, etc.;
Z3 = alkylene; Z4 = bond or alkylene] were prepared as antiarrhythmics
(no data). Thus, pyridine-3-carboxaldehyde was condensed with
3,4-(MeO)2C6H3NH2 and the product converted in 6 steps to title compound
I.
IT 181522-60-1P 181522-69-OP 181522-72-5P
181522-74-7P 181522-80-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation of N-aryl-N-heterocyclylalkyl-4-nitrobenzamides and
analogs as
antiarrhythmics)
RN 181522-60-1 CAPLUS
CN 3-Pyridinemethanamine, N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)



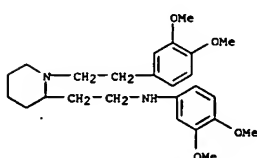
RN 181522-69-0 CAPLUS
 CN 3-Piperidineethanamine, N-(3,4-dimethoxyphenyl)-1-[2-(3,4-dimethoxyphenyl)ethyl]- (9CI) (CA INDEX NAME)



RN 181522-72-5 CAPLUS
 CN 2-Piperidineethanamine, N-(3,4-dimethoxyphenyl)-1-[2-(3,4-dimethoxyphenyl)ethyl]- (9CI) (CA INDEX NAME)

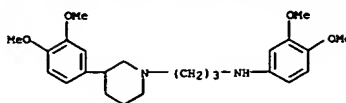


RN 181522-74-7 CAPLUS
 CN 2-Piperidineethanamine, N-(3,4-dimethoxyphenyl)-1-[2-(3,4-dimethoxyphenyl)ethyl]-, monohydrochloride (9CI) (CA INDEX NAME)



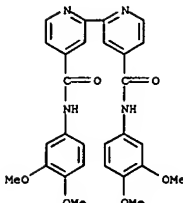
● HCl

RN 181522-80-5 CAPLUS
 CN 1-Piperidinepropanamine, N,3-bis(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)



ACCESSION NUMBER: 1996:541137 CAPLUS
 DOCUMENT NUMBER: 125:315428
 TITLE: Synthesis and Characterization of Novel Acyclic, Macrocylic, and Calix[4]arene Ruthenium(II)
 Bipyridyl
 AUTHOR(S): Receptor Molecules That Recognize and Sense Anions Szemes, Fridrich; Hasek, Dusan; Chen, Zheng; Dent, Simon W.; Drew, Michael G. B.; Goulden, Alistair J.; Graydon, Andrew R.; Grieve, Alan; Mortimer, Roger J.; et al.
 CORPORATE SOURCE: Inorganic Chemistry Laboratory, University of Oxford, Oxford, OX1 3QR, UK
 SOURCE: Inorganic Chemistry (1996), 35(20), 5868-5879
 CODEN: INOCAJ; ISSN: 0020-1669
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English

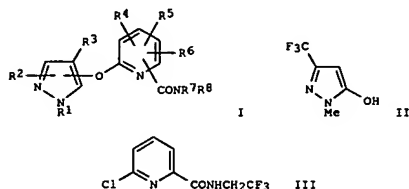
AB The Lewis acidic redox-active and photoactive ruthenium(II) bipyridyl moiety in combination with amide (CO-NH) groups was incorporated into acyclic, macrocyclic, and lower rim calix[4]arene structural frameworks to produce a new class of anion receptor with the dual capability of sensing anionic guest species via electrochem. and optical methodologies. Single-crystal x-ray structures of (I)Cl and (II)H₂PO₄ reveal the importance of hydrogen bonding to the overall anion complexation process. In the former complex, six hydrogen bonds (two amide and four C-H groups) stabilize the Cl⁻ anion and three hydrogen bonds (two amide and one calix[4]arene hydroxyl) effect H₂PO₄⁻ complexation with 11. ¹H NMR titration studies in deuterated DMSO solns. reveal these receptors form strong and, in the case of the macrocyclic 5 and calix[4]arene-containing receptor 11, highly selective complexes with H₂PO₄⁻. Cyclic and square-wave voltammetric studies demonstrated these receptors to electrochem. recognize Cl⁻, Br⁻, H₂PO₄⁻, and HSO₄⁻ anions. The calix[4]arene anion receptor 11 selectively electrochem. senses H₂PO₄⁻ in the presence of 10-fold excess amts. of HSO₄⁻ and Cl⁻. Fluorescence emission spectral recognition of H₂PO₄⁻ in DMSO solns. is displayed by 3, 5, and 11. 152387-93-48
 IT RI: PNU (Preparation, unclassified); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent) (ligand; synthesis and characterization of novel acyclic, macrocyclic, and calix[4]arene ruthenium(II) bipyridyl receptor mols. for recognition and sensing of anions)
 RN 152387-93-4 CAPLUS
 CN [2,2'-Bipyridine]-4,4'-dicarboxamide, N,N'-bis(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)



ACCESSION NUMBER: 1996:132822 CAPLUS
 DOCUMENT NUMBER: 124:176091
 TITLE: Preparation of (pyridyloxy)pyrazole derivatives as herbicides
 INVENTOR(S): Morimoto, Katsuyuki; Oonari, Masatoshi; Furusawa, Hiroyuki; Hatanaka, Masataka; Watanabe, Junichi; Kondo, Yasuo; Nawamaki, Tsutomu; Ishikawa, Kimihiro; Shiojima, Kenichi; Nakahira, Kunimitsu
 PATENT ASSIGNEE(S): Nissan Chemical Ind Ltd, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 30 pp.
 CODEN: JKKXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

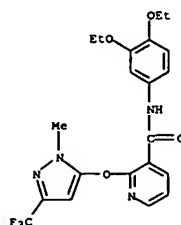
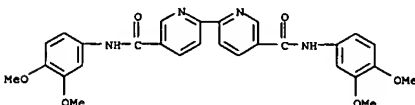
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07285962	A2	19951031	JP 1994-81585	19940420
PRIORITY APPLN. INFO.: JP 1994-81585 19940420				

OTHER SOURCE(S): MARPAT 124:176091
 GI



AB The title compds. [I; R1 = alkyl; R2 = (halo)alkyl; R3 = H, halo; R4-R6 = H, Cl-6 alkyl, Cl-4 haloalkyl, etc.; R7, R8 = H, (substituted) alkyl, Ph, R7R8N = 3-9-membered heterocycle] are prepared and formulated. Pyrazole derivative II (1.3 g) was stirred with KOH in MeOH at room temperature, MeOH was distilled, toluene was added and distilled, the remaining solid was heated with 1.0 g chloropyridine derivative III and 0.01 g CuCl in DMF at 110° to give 0.80 g I (R1 = Me, R2 = 3-CF3, R3-R7 = H, R8 = 6-CH2CF3), which controlled >90% barnyard grass, *Setaria viridis*, etc. at 2.5 kg/ha.
 IT 173947-03-0P
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of (pyridyloxy)pyrazole derivs. as herbicides)
 RN 173947-03-0 CAPLUS
 CN 3-Pyridinecarboxamide, N-(3,4-diethoxyphenyl)-2-[(1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl)oxy]- (9CI) (CA INDEX NAME)

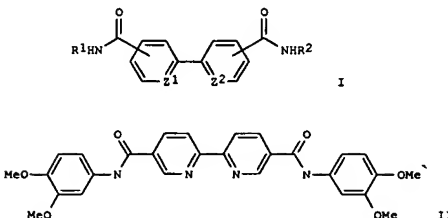
ACCESSION NUMBER: 1996:108579 CAPLUS
 DOCUMENT NUMBER: 124:248696
 TITLE: Spectral and electrochemical halide anion recognition by acyclic ruthenium(II) 5,5'-bis-amide substituted bipyridyl receptor molecules
 AUTHOR(S): Beer, Paul D.; Fletcher, Nicholas C.; Wear, Trevor
 CORPORATE SOURCE: Inorg. Chemistry Lab., Univ. Oxford, Oxford, OX1 3QR, UK
 SOURCE: Polyhedron (1996), 15(8), 1339-47
 CODEN: PLYHDE; ISSN: 0277-5387
 PUBLISHER: Elsevier
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB New acyclic Ru(II) 5,5'-bis-amide substituted 2,2'-bipyridyl receptor mols. were synthesized. 1H NMR spectroscopy, cyclic and square wave voltammetry, electronic absorption and fluorescence-emission spectroscopic measurements demonstrated the spectral and electrochem. recognition of chloride, and spectral recognition of bromide anions in polar solvents.
 IT 152387-94-5P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reaction or reagent) (preparation and reaction with ruthenium bipyridine chloro complex)
 RN 152387-94-5 CAPLUS
 CN [2,2'-Bipyridine]-5,5'-dicarboxamide, N,N'-bis(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)



ACCESSION NUMBER: 1995:305214 CAPLUS
 DOCUMENT NUMBER: 122:105679
 TITLE: Preparation of ion-sensitive bipyridine complexes
 INVENTOR(S): Wear, Trevor John; Moore, Christopher Peter; Goulden, Alistair J.; Beer, Paul D.; Fletcher, Nicholas C.
 PATENT ASSIGNEE(S): Kodak Ltd., UK
 SOURCE: PCT Int. Appl., 26 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

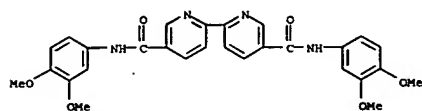
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9424123	A1	19941027	WO 1994-EP1191	19940418
W: CA, JP, US				
EP 647223	A1	19950412	EP 1994-913608	19940418
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 07508537	T2	19950921	JP 1994-522762	19940418
US 5608059	A	19970304	US 1994-356187	19941219
PRIORITY APPLN. INFO.: GB 1993-8213 A 19930421				
GB 1994-4251 A 19940305				
WO 1994-EP1191 W 19940418				

OTHER SOURCE(S): MARPAT 122:105679
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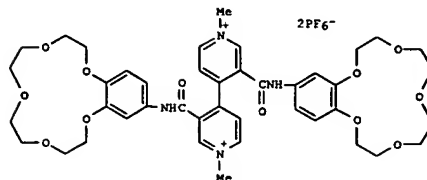


AB Title compds. [I; R1,R2 = (un)substituted alkyl, -aryl; R1R2 = atoms to complete a (2)-cryptand; Z1 = N+R3; Z2 = N+R4; R3,R4 = H, alkyl; R3R4 = ethylene bridging group (sic); 1.[Ru(II)(bipy)2]; bipy = 2,2'-bipyridine; Z1 = Z2 = N] were prepared Bipyridinebisamide II (prepared in 3 steps from 5,5'-dimethyl-2,2'-bipyridine) was heated 17h at 80° with [Ru(II)(bipy)2Cl2] in DMF after which NH4PF6 in H2O was added to give II. [Ru(II)(bipy)2] (PF6)2 (III). NMR signal shift data for reaction of III

L36 ANSWER 35 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 with Bu4NCl were given.
 IT 152387-94-5P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation of ion-sensitive bipyridine complexes)
 RN 152387-94-5 CAPLUS
 CN [2,2'-Bipyridine]-5,5'-dicarboxamide, N,N'-bis(3,4-dimethoxyphenyl)-
 (9CI)
 (CA INDEX NAME)



L36 ANSWER 36 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1995:188782 CAPLUS
 DOCUMENT NUMBER: 122:81343
 TITLE: A new bipyridinium bis benzo crown ether ligand whose
 redox properties are dependent upon complexed cation
 induced conformational switching effects
 Beer, Paul D.; Chen, Zheng; Grieve, Alan; Haggitt,
 Jane
 AUTHOR(S):
 CORPORATE SOURCE: Inorg. Chem. Lab., Univ. Oxford, Oxford, OX1 3QR, UK
 SOURCE: Journal of the Chemical Society, Chemical
 Communications (1994), (20), 2413-14
 CODEN: JCCCAT; ISSN: 0022-4936
 PUBLISHER: Royal Society of Chemistry
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 GI

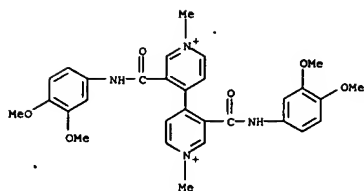


AB The synthesis, coordination and electrochem. properties of a novel
 4,4'-bipyridinium bisbenzo-15-crown-5 ligand 1 are described whose group
 1,2 metal and ammonium cation redox-responsive behavior is dependent upon
 cation induced conformational switching effects.

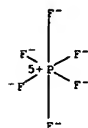
IT 160252-25-5P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (a new bipyridinium bis benzo crown ether ligand whose redox
 properties
 are dependent upon complexed cation induced)
 RN 160252-25-5 CAPLUS
 CN 4,4'-Bipyridinium, 3,3'-bis[[[(3,4-dimethoxyphenyl)amino]carbonyl]-1,1'-
 dimethyl-, bis[hexafluorophosphate(1-)] (9CI) (CA INDEX NAME)

CM 1
 CRN 160252-24-4
 CMF C30 H32 N4 O6

L36 ANSWER 36 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



CM 2
 CRN 16919-18-9
 CMF F6 P
 CCI CCS



L36 ANSWER 37 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1994:270113 CAPLUS
 DOCUMENT NUMBER: 120:270113
 TITLE: Preparation of piperidine derivatives as
 antiarrhythmics
 INVENTOR(S): Hirasawa, Akira; Suzuki, Noboru; Yoshimoto, Ryota;
 Suzuki, Nobuyasu; Kanematsu, Akira; Shoji, Masataka
 PATENT ASSIGNEE(S): Ajinomoto KK, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 19 pp.
 CODEN: JXOXA
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05097808	A2	19930420	JP 1991-260838	19911008
JP 2961995	B2	19991012		

PRIORITY APPLN. INFO.: JP 1991-260838 19911008

OTHER SOURCE(S): MARPAT 120:270113
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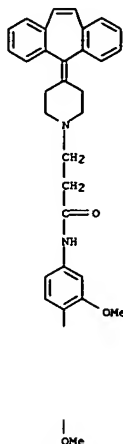
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB QXm(CR1:CR2)nCH2A [I; A = organic group Q1 (wherein Z = CH2, O, S), Q2
 (wherein Z1 = O, S, CH:CH), Q3, Q4; R1, R2 = H, Me, Et; m, n = 0,1; Q =
 (un)substituted Ph, pyridyl, tetrahydropyranyl, cyclohexyl, piperidinyl,
 or indanyl; X = (CH2)k (wherein k = 0-3), NHCO(CH2)k, CO(CH2)k] are
 prepared

Thus, chlorination of 4-(1-imidazolylmethyl)cinnamic alc. with SOCl2 in
 CHCl3 and condensation of the resulting 4-(1-imidazolylmethyl)cinnamyl
 chloride with 4-(5H-dibenzo[a,d]cyclohepten-5-ylidene)piperidine in the
 presence of K2CO3 and NaI in iso-BuCOMe at 90° gave 36.1% title
 compound II (R3 = 1-imidazolylmethyl). A total of 72 I were prepared
 and II

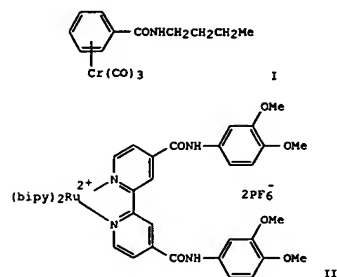
(R3 = CF3CONH), at 100 µg/kg i.v., inhibited the arrhythmia induced by
 adrenaline (2.5-5 µg/kg) in dogs by 100% after 15 min.
 IT 141840-10-0P
 RL: BAC (Biological activity or effector, except adverse); BSU
 (Biological
 study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
 BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of, as antiarrhythmic)
 RN 141840-10-0 CAPLUS
 CN 1-Piperidinepropanamide, 4-(5H-dibenzo[a,d]cyclohepten-5-ylidene)-N-(3,4-
 dimethoxyphenyl)- (9CI) (CA INDEX NAME)

PAGE 1-A

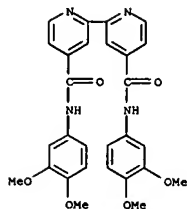


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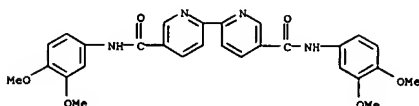
ACCESSION NUMBER: 1994:107221 CAPLUS
 DOCUMENT NUMBER: 120:107221
 TITLE: New classes of anion receptor containing charged and neutral transition-metal Lewis acidic recognition sites
 AUTHOR(S): Beer, Paul D.; Dickson, Christian A. P.; Fletcher, Nicholas; Goulden, Alistair J.; Grieve, Alan; Hodacova, Jana; Wear, Trevor
 CORPORATE SOURCE: Inorg. Chem. Lab., Univ. Oxford, Oxford, OX1 3QR, UK
 SOURCE: Journal of the Chemical Society, Chemical Communications (1993), (10), 828-30
 CODEN: JCCCAT; ISSN: 0022-4936
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 GI



AB A variety of new classes of anion receptors, including I and II, containing pos. charged or neutral organometallic and coordination transition metal Lewis acidic binding sites in combination with amide N-H groups were prepared and shown to complex halide anionic guest species.
 IT 152387-93-4P 152387-94-5P
 RL: SPN (Synthetic preparation): PREP (Preparation) (preparation and conversion into bipyridine ruthenium complex)
 RN 152387-93-4 CAPLUS
 CN [2,2'-Bipyridine]-4,4'-dicarboxamide, N,N'-bis(3,4-dimethoxyphenyl)- (9CI)
 (CA INDEX NAME)



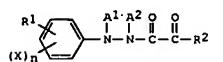
RN 152387-94-5 CAPLUS
 CN [2,2'-Bipyridine]-5,5'-dicarboxamide, N,N'-bis(3,4-dimethoxyphenyl)- (9CI)
 (CA INDEX NAME)



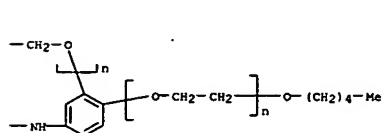
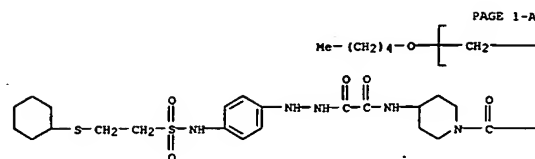
ACCESSION NUMBER: 1993:613928 CAPLUS
 DOCUMENT NUMBER: 119:213928
 TITLE: Silver halide photographic light sensitive material
 INVENTOR(S): Onodera, Akira; Usagawa, Yasushi
 PATENT ASSIGNEE(S): Konica Co., Japan
 SOURCE: Eur. Pat. Appl., 51 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 539925	A1	19930505	EP 1992-118365	19921028
R: DE, FR, GB				
JP 05127287	A2	19930525	JP 1991-287997	19911101
JP 3041736	B2	20000515		
US 5279920	A	19940118	US 1992-966436	19921026
PRIORITY APPLN. INFO.:			JP 1991-287997	A 19911101

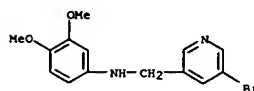
OTHER SOURCE(S): MARPAT 119:213928
 GI



AB The title multilayer material contains I [R1 = R3O, R4SO2NH, R5R6PONH, OR7, NR7R8, N.tplbond.CNH, SH, HON:CH, R9R10N, R11R12C:N; (R4-R7 = aliphatic, aromatic, heterocyclic group; R3, R8, R9-R11 = R4, H; R12 = R4, active methylene group, active methine group); X = substituent; n = 0-4; A1, A2 = H, acyl, sulfonyl, oxalyl; R2 = OR13, NR14R15 (R13 = alkenyl, alkynyl, aryl, heterocyclic group; R14 = R3; R15 = R13, OH, alkoxy)]. The material provides sufficiently high contrast images using a stable developer having a low pH value and provides a direct pos.-type material improved in image quality and storage stability.
 IT 150483-00-4
 RL: USES (Uses) (in photog. paper for improved contrast and storage stability)
 RN 150483-00-4 CAPLUS
 CN Poly(oxy-1,2-ethanediy), α,α' -[4-[[[4-[[[2-[[[2-(cyclohexylthio)ethyl]sulfonyl]amino]phenyl]hydrazino]oxoacetyl]amino)-1-piperidinyl]carbonyl]amino]-1,2-phenylene]bis[m-(pentyloxy)- (9CI)
 (CA INDEX NAME)



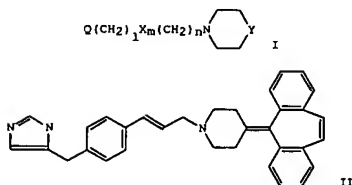
L36 ANSWER 40 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1992:591714 CAPLUS
 DOCUMENT NUMBER: 117:191714
 TITLE: Preparation of benzo[c][2,7]naphthyridines
 AUTHOR(S): Nutsatis, Charles F.; Marsh, Stephen R.
 CORPORATE SOURCE: Dep. Chem., Lafayette Coll., Easton, PA, 18042, USA
 SOURCE: Journal of Heterocyclic Chemistry (1992), 29(4), 971-3
 CODEN: JHTCAD; ISSN: 0022-152X
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 117:191714
 AB A divergent synthesis of substituted benzo[c][2,7]naphthyridines is described, which features an intramol. pyridine cyclization step as the key reaction. The pyridine precursors are conveniently prepared from 5-bromo-3-chloromethylpyridinium hydrochloride and the requisite anilines. Cyclization of the non-sym. substrates did not proceed with significant regioselectivity.
 IT 143770-60-9P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation, spectra and cyclization of)
 RN 143770-60-9 CAPLUS
 CN 3-Pyridinemethanamine, 5-bromo-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)



L36 ANSWER 41 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1992:426350 CAPLUS
 DOCUMENT NUMBER: 117:26350
 TITLE: Preparation of piperidine derivatives as antiarrhythmic agents
 INVENTOR(S): Hirasawa, Akira; Shoji, Masataka; Yoshimoto, Ryota; Gyotoku, Yuichi; Eguchi, Chikahiko
 PATENT ASSIGNEE(S): Ajinomoto Co., Inc., Japan
 SOURCE: Eur. Pat. Appl., 47 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 479601	A2	19920408	EP 1991-309103	19911004
EP 479601	A3	19920812		
EP 479601	B1	19991215		
R: DE, FR, GB, IT				
JP 05025044	A2	19930202	JP 1991-254951	19911002
JP 2853404	B2	19990203		
US 5229400	A	19930720	US 1991-770892	19911004
PRIORITY APPLN. INFO.:			JP 1990-269193	A 19901005

OTHER SOURCE(S): MARPAT 117:26350
 GI



AB Title compds. [I: Q = (substituted) Ph, cyclohexyl, piperidinyl, tetrahydropyranyl, pyridyl, (N-methyl)pyrrolidyl, thienyl, furyl, hexyl, cyano; X = CO, NHCO, NHCONH, SO₂NH, S, O, R1C:CR2, CR3(CN); Y = Ph2C:C, (4-FC6H4)2C:C, 4-FC6H4COCH, PhCH, PhCOCH, etc.; R1, R2 = H, Me, Et, Pr;

R3 = H, C1-12 alkyl; aryl: 1, m = 0, 1; n = 0-6] were prepared. Thus, 4-(N-imidazolylmethyl)cinnamyl alc. was stirred 2 h with SOCl₂ in CHCl₃ and the product was stirred with 4-(5H-dibenzo[a,d]cyclohepten-5-ylidene)piperidine, K₂CO₃, and NaI in MeCOCH₂CHMe₂ at 90° to give title compound II. I inhibited CHCl₃-induced arrhythmia/tachycardia in mice

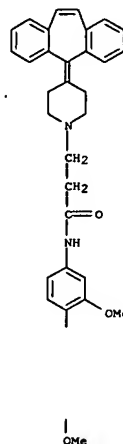
with min ED of 10-100 mg/kg i.p.

IT 141840-10-0P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological)

L36 ANSWER 41 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of, as antiarrhythmic)
 RN 141840-10-0 CAPLUS
 CN 1-Piperidinepropanamide, 4-(5H-dibenzo[a,d]cyclohepten-5-ylidene)-N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)

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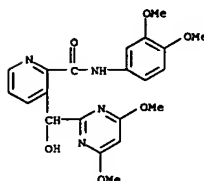
PAGE 2-A

L36 ANSWER 42 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1992:128972 CAPLUS
 DOCUMENT NUMBER: 116:128972
 TITLE: Preparation of azinylphthalides and related compounds as herbicides
 INVENTOR(S): Anderson, Richard James; Cloudsdale, Ian Stuart; Hokada, Takeo
 PATENT ASSIGNEE(S): Sandoz A.-G., Switz.; Sandoz-Patent-G.m.b.H.; Sandoz-Erfindungen Verwaltungsgesellschaft m.b.H.
 SOURCE: Eur. Pat. Appl., 65 pp.
 CODEN: EPKXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

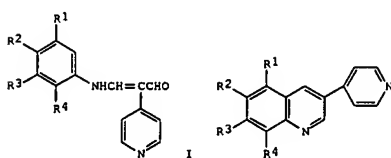
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 461079	A2	19911211	EP 1991-810428	19910605
EP 461079	A3	19920304		
EP 461079	B1	19970716		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE			
HU 61153	A2	19921228	HU 1991-1771	19910527
HU 212435	B	19960628		
AU 9178204	A1	19911212	AU 1991-78204	19910605
AU 649448	B2	19940526		
RU 2040522	C1	19950725	RU 1991-4895617	19910605
IL 98378	A1	19951127	IL 1991-98378	19910605
AT 155466	E	19970815	AT 1991-810428	19910605
ES 2107447	T3	19971201	ES 1991-810428	19910605
CA 2043976	JA	19911208	CA 1991-2043976	19910606
CN 1057837	A	19920115	CN 1991-104849	19910606
CN 1033735	B	19970108		
JP 04235967	A2	19920825	JP 1991-163978	19910606
PL 170729	B1	19970131	PL 1991-290573	19910606
SK 278746	B6	19980204	SK 1991-1737	19910606
BR 9102386	A	19920114	BR 1991-2386	19910607
ZA 9104382	A	19930224	ZA 1991-4382	19910607
US 5506192	A	19960409	US 1994-201150	19940223
US 5561101	A	19961001	US 1995-457544	19950601
US 5627137	A	19970506	US 1995-457907	19950601
US 5627138	A	19970506	US 1995-457909	19950601
PRIORITY APPLN. INFO.:			US 1990-534794	A 19900607
			US 1990-633592	A 19901221
			US 1991-804150	B2 19911206
			US 1993-36006	B1 19930323
			US 1994-201150	A1 19940223

OTHER SOURCE(S): MARPAT 116:128972
 GI For diagram(s), see printed CA Issue.
 AB Title compds. I (ring A = Ph, naphthyl, (benzo)pyridyl (oxide), pyrazinyl oxide, pyrimidinyl, pyrazinyl, cinnolinyl, quinoxalyl, (benzo-fused) 5-membered heteroaryl; R = cyano, CHO, CX₁X₂X₃, ketone-forming group, (modified) (thio)carboxyl, carbamoyl, hydroxyalkyl, CH₂O₂C bridged to an adjacent A-ring carbon, etc.; Y₁-Y₃ = H, halo, OH, (substituted) alkyl, alkenyl, alkynyl, alkoxy, alkenyloxy, alkynyloxy, alkylsulfonyloxy, etc.; Y₁Y₂ = 3-5-membered bridge; Y₁R = C(S)O, other bridging group; X, Y = H,

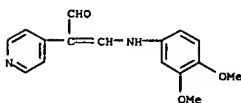
L36 ANSWER 42 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 OH, halo, cyano, (substituted) alkyl, alkoxy, alkoxyalkyl, alkoxyalkoxy, hydroxyalkyl, haloalkyl, acyl, acyloxy, carbamoyl, carbamoyloxy, alkylthio, aryloxy, aryl, etc.; XR = CO₂, C(O)S, CONH, etc.; X₁, X₂, X₃ = H, OH, alkoxy, alkylthio, hydroxyalkyl, hydroxybenzyl; X₁X₂ = 4-5 membered bridge; R₁, R₃ = H, halo, (substituted) alkyl, alkenyl, alkynyl, alkoxy, alkenyloxy, alkylthio, cycloalkyl, heterocyclyloxy, aryloxy, etc.; W₁-W₄ = CH, N, NR₃ were prep. as herbicides (no data). Thus, 7-chlorophthalide in THF at -70° was treated with LiN(CHMe₂)₂ and then 2-methylsulfonyl-4,6-dimethoxypyrimidine followed by 4 h stirring to give title compd. II.
 IT 139539-45-0P
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as herbicide)
 RN 139539-45-0 CAPLUS
 CN 2-Pyridinecarboxamide, N-(3,4-dimethoxyphenyl)-3-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]- (9CI) (CA INDEX NAME)



L36 ANSWER 43 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1991:679777 CAPLUS
 DOCUMENT NUMBER: 115:279777
 TITLE: A convenient synthesis of 3-(4-pyridinyl)quinolines
 AUTHOR(S): Singh, Baldev; Lesher, George Y.
 CORPORATE SOURCE: Sterling Res. Group, Rensselaer, NY, 12144, USA
 SOURCE: Journal of Heterocyclic Chemistry (1991), 28(5), 1453-4
 CODEN: JHCTAD; ISSN: 0022-152X
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 GI



AB 3-(Arylamino)-2-(4-pyridinyl)acroleins I (R₁, R₂, R₄ = H, MeO, R₃ = MeO, Cl, EtO), prepared by reacting the corresponding anilines with 3-(dimethylamino)-2-(4-pyridinyl)acrolein, were cyclized by POC13 or AcOH to give 20-58% 3-(4-pyridinyl)quinolines II.
 IT 137207-00-2P
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation and cyclization by phosphoryl chloride)
 RN 137207-00-2 CAPLUS
 CN 4-Pyridineacetaldehyde, α-[[3-(4-dimethoxyphenyl)amino]methylene]- (9CI) (CA INDEX NAME)



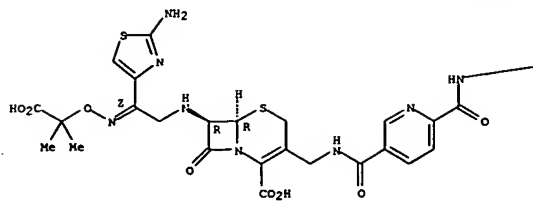
L36 ANSWER 44 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1990:406031 CAPLUS
 DOCUMENT NUMBER: 113:6031
 TITLE: Preparation of 3-[(arylcaboxamido)methyl]cephemcarboxylates and analogs as antibiotics
 INVENTOR(S): Davies, Gareth Morse; Strawson, Colin John; Lohmann, Jean Jacques
 PATENT ASSIGNEE(S): Imperial Chemical Industries PLC, UK; ICI-Pharma S. A.
 SOURCE: Eur. Pat. Appl., 32 pp.
 CODEN: EPKXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 341948	A2	19891115	EP 1989-304621	19890508
EP 341948	A3	19910522		
EP 341948	B1	19950111		
R:	AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE			
JP 0131946	A2	19891225	JP 1989-115243	19890510
US 5055462	A	19911008	US 1989-349662	19890510
US 5149803	A	19920922	US 1991-732478	19910718
PRIORITY APPLN. INFO.:			GB 1988-11055	A 19880510
			US 1989-349662	A3 19890510

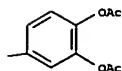
OTHER SOURCE(S): MARPAT 113:6031
 GI For diagram(s), see printed CA Issue.
 AB Cephalosporins substituted at the 3-position by Q1 [A = (un)substituted phenylenediyl, 5- or 6-heterocyclylenediyl; Q = (un)substituted benzene ring optionally fused to 5- or 6-membered heterocycle or naphthyl bearing R₂ and R₃ on adjacent C-atoms, N-hydroxypyridonyl group Q₂, hydroxypyranonyl or hydroxydihydroxydipyrindonyl group Q₃; M = O, (alkyl)imino; R₁ = H, alkenyl, (un) substituted alkyl; R₂, R₃ = OH or metabolically labile ester thereof; Y = CO, SO₂; Z = bond, alkylene, alkenylene, CO, etc.] were prepared. Thus, nilepotate Q4OH (R4R5 = CMe₂) (preparation given) was condensed with cephemcarboxylate I (R = H) to give, after deprotection, I (R = Q₄, R₄ = R₅ = H) which had MIC of 4 µg/mL against Staphylococcus aureus 147N (A8601052).
 IT 127431-47-4P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation) (preparation of, as antibiotic)
 RN 127431-47-4 CAPLUS
 CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7-[[2-(2-amino-4-thiazolyl)-2-[(1-carboxy-1-methylethoxy)imino]ethyl]amino]-3-[[[6-[[[3,4-bis(acetoxyloxy)phenyl]amino]carbonyl]-3-pyridinyl]carbonyl]amino]methyl]-8-oxo-, [6R-[6a,7b(2Z)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry as shown.

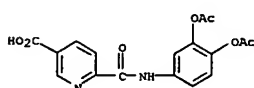
PAGE 1-A



PAGE 1-B



IT 127431-61-2
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction of, in preparation of antibiotics)
 RN 127431-61-2 CAPLUS
 CN 3-Pyridinecarboxylic acid, 6-[[[3,4-bis(acetoxy)phenyl]amino]carbonyl]-
 (9CI) (CA INDEX NAME)

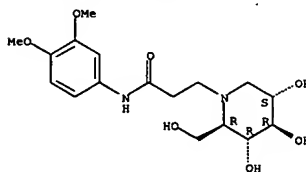


ACCESSION NUMBER: 1990:210964 CAPLUS
 DOCUMENT NUMBER: 112:210964
 TITLE: Mixtures of interferon with 1-deoxypiperidinoses as synergistic virucides
 INVENTOR(S): Paessens, Arnold; Schueller, Matthias
 PATENT ASSIGNEE(S): Bayer A.-G., Fed. Rep. Ger.
 SOURCE: Eur. Pat. Appl., 18 pp.
 CODEN: EPXKDW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 322643	A1	19890705	EP 1988-120884	19881214
EP 322643	B1	19910724		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, NL, SE				
DE 3743749	A1	19890713	DE 1987-3743749	19871223
AT 65408	E	19910815	AT 1988-120884	19881214
ES 2037807	T3	19930701	ES 1988-120884	19881214
JP 02000708	A2	19900105	JP 1988-323802	19881223
PRIORITY APPLN. INFO.:			DE 1987-3743749	A 19871223
			EP 1988-120884	A 19881214

OTHER SOURCE(S): MARPAT 112:210964
 AB Comps. comprising N-substituted derivs. of 1-deoxynojirimycin and of 1-deoxymannonojirimycin (Markush given) and interferons, are synergistic virucides, especially active against retroviruses.
 3-(1,5-Dideoxy-1,5-imino-D-mannit-N-yl)propionic acid 4-isopropylanilide (0.06 mg/mL) combined with sheep interferon (1 unit/mL) totally controlled the Viana virus, in sheep cell cultures. Preparation of the deoxynojirimycin derivs. is outlined.
 IT 123578-74-5
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study) (virucide, synergistic)
 RN 123578-74-5 CAPLUS
 CN 1-Piperidinepropanamide, N-(3,4-dimethoxyphenyl)-3,4,5-trihydroxy-2-(hydroxymethyl)-, [2R-(2 α ,3 β ,4 α ,5 β)]- (9CI) (CA INDEX NAME)

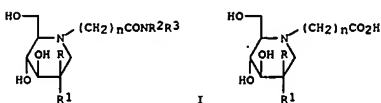
Absolute stereochemistry.



ACCESSION NUMBER: 1990:56576 CAPLUS
 DOCUMENT NUMBER: 112:56576
 TITLE: Preparation of 1-deoxynojirimycin and 1-deoxymannonojirimycin derivatives as antivirals and pharmaceutical compositions containing them
 INVENTOR(S): Boeshagen, Horst; Junge, Bodo; Paessens, Arnold; Schueller, Matthias
 PATENT ASSIGNEE(S): Bayer A.-G., Fed. Rep. Ger.
 SOURCE: Eur. Pat. Appl., 65 pp.
 CODEN: EPXKDW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 313974	A1	19890503	EP 1988-117369	19881019
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
DE 3814549	A1	19890518	DE 1988-3814549	19880429
NO 8804623	A	19890502	NO 1988-4625	19881018
JP 01151553	A2	19890614	JP 1988-268345	19881026
US 4940705	A	19900710	US 1988-262902	19881026
FI 8804966	A	19890501	FI 1988-4966	19881027
DK 8806019	A	19890501	DK 1988-6019	19881028
ZA 8808103	A	19890726	ZA 1988-8103	19881028
HU 50190	A2	19891228	HU 1988-5629	19881028
HU 201560	B	19901128		
AU 8824547	A1	19890504	AU 1988-24547	19881031
AU 603012	B2	19901101		
PRIORITY APPLN. INFO.:			DE 1987-3736771	A 19871030
			DE 1988-3814549	A 19880429

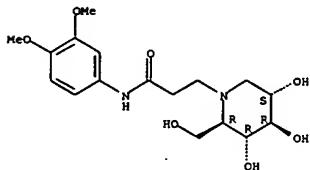
OTHER SOURCE(S): CASREACT 112:56576; MARPAT 112:56576
 GI



AB The title compds. [I; R, R1 = H, OH; R2 = H, alkyl, PhCH2; R3 = (aryl)alkyl, cycloalkyl, aryl, etc.; n = 1-6 integer], useful for control of viral infections in humans and animals, are prepared via condensation of acids II or their reactive derivs. with HNR2R3. N-(2-Carboxyethyl)-1-deoxynojirimycin in H2O containing pyridine was condensed with p-methoxyaniline in the presence of dicyclohexylcarbodiimide to give I (R = R2 = H, R1 = OH, R3 = C6H4OMe-p, n = 2). In a study according to O. Narayan et al. (1977) using Viana virus-infected cell culture, I (R = R2

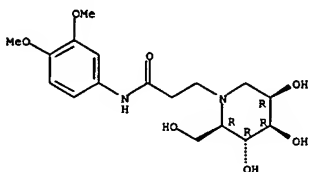
L36 ANSWER 46 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 H, R1 = OH, R3 = C6H4OCH2Ph-p, n = 2) showed an MIC of 2 µg/mL and
 cytotoxicity at >1000 µg/mL.
 IT 123578-74-5P 123579-11-3P
 RL: BAC (Biological activity or effector, except adverse); BSU
 (Biological
 study, unclassified); SPN (Synthetic preparation); BIOL (Biological
 study); PREP (Preparation)
 (preparation of, as antiviral)
 RN 123578-74-5 CAPLUS
 CN 1-Piperidinepropanamide, N-(3,4-dimethoxyphenyl)-3,4,5-trihydroxy-2-
 (hydroxymethyl)-, [2R-(2α,3β,4α,5β)]- (9CI) (CA
 INDEX NAME)

Absolute stereochemistry.



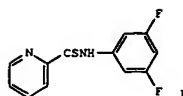
RN 123579-11-3 CAPLUS
 CN 1-Piperidinepropanamide, N-(3,4-dimethoxyphenyl)-3,4,5-trihydroxy-2-
 (hydroxymethyl)-, [2R-(2α,3β,4α,5α)]- (9CI) (CA
 INDEX NAME)

Absolute stereochemistry.

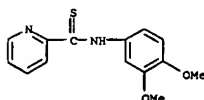


L36 ANSWER 47 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

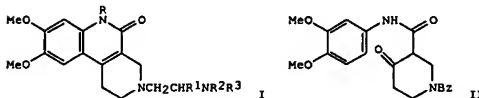
L36 ANSWER 47 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1990:35645 CAPLUS
 DOCUMENT NUMBER: 112:35645
 TITLE: N-Phenyl-2-pyridinecarbothioamides as gastric mucosal
 protectants
 AUTHOR(S): Kinney, William A.; Lee, Nancy E.; Blank, Robert M.;
 Demerson, Christopher A.; Sarnella, Carol S.;
 Scherer,
 Noreen T.; Mir, G. Nabi; Borella, Luis E.; DiJoseph,
 John F.; Wells, Cheryl
 Wyeth-Ayerst Res., Princeton, NJ, 08543-8000, USA
 Journal of Medicinal Chemistry (1990), 33(1), 327-36
 CODEN: JMCHMR; ISSN: 0022-2623
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 112:35645
 GI



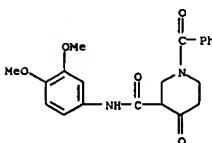
AB A series of substituted 2-pyridinecarbothioamides was synthesized and
 evaluated for gastric mucosal protectant activity in the rat. Out of
 this investigation N-(3,5-difluorophenyl)-2-pyridinecarbothioamide (AY-31,574)
 (I) was identified. I was prepared by treating picolinic acid with
 1,1'-carbonyldimidazole in DMF and then with 3,5-F2C6H3NH2.
 Sulfurization
 of the resulting (difluorophenyl)pyridinecarboxamide with Lawesson's
 reagent gave 58% I. I was much more potent than sucralfate and
 ranitidine
 against ethanol-induced lesions, and was equipotent with ranitidine
 against gastric injury caused by stress. Unlike ranitidine, I was devoid
 of antisecretory activity in the pylorus-ligated rat model, making it a
 selective mucosal protectant. Such a potent selective mucosal protectant
 may provide a novel clin. approach in treating ulcers.
 IT 123207-20-5P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation and ulcer inhibiting activity of)
 RN 123207-20-5 CAPLUS
 CN 2-Pyridinecarbothioamide, N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)



L36 ANSWER 48 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1987:138288 CAPLUS
 DOCUMENT NUMBER: 106:138288
 TITLE: Preparation of benzo[c][2,7]naphthyridin-5(1H)-ones
 as
 analogs of benzopyrano[3,4-c]pyridin-5-one
 bronchodilators
 AUTHOR(S): Unangst, Paul C.; Connor, David T.; Carethers, Mary
 E.; Schwender, Charles S.; Brown, Richard E.;
 Puchalski, Chester
 CORPORATE SOURCE: Dep. Chem., Warner-Lambert/Parke-Davis Pharm. Res.,
 Ann Arbor, MI, 48105, USA
 SOURCE: Journal of Heterocyclic Chemistry (1986), 23(3),
 941-4
 CODEN: JHTCAD; ISSN: 0022-152X
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 106:138288
 GI

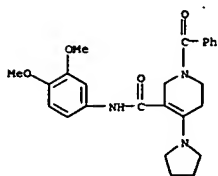


AB Benzonaphthyridinones I (R, R1 = H, Me; NR2R3 = NMe2, piperidino,
 pyrrolidino, azabicyclononyl) were prepared as potential anticholinergic
 bronchodilators. The naphthyridine ring system was constructed by
 cyclization of a 3-amido-4-piperidone, e.g., II. Alkylation with
 alkylaminoethyl chlorides or reductive amination of an intermediate Me
 ketone yielded the final target compds.
 IT 61675-89-6P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation and cyclization of)
 RN 61675-89-6 CAPLUS
 CN 3-Piperidinecarboxamide, 1-benzoyl-N-(3,4-dimethoxyphenyl)-4-oxo- (9CI)
 (CA INDEX NAME)



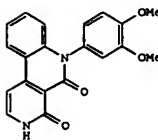
IT 107401-38-7P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)

L36 ANSWER 48 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
(prepn. and hydrolysis of)
RN 107401-38-7 CAPLUS
CN 3-Pyridinecarboxamide, 1-benzoyl-N-(3,4-dimethoxyphenyl)-1,2,5,6-tetrahydro-4-(1-pyrrolidinyl)- (9CI) (CA INDEX NAME)



L36 ANSWER 49 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1984:6912 CAPLUS
DOCUMENT NUMBER: 100:6912
TITLE: The synthesis of periolone,
6-(3,4-dimethoxyphenyl)-5-

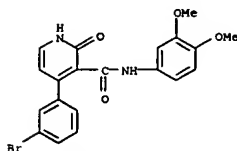
hydroxy-5,6-dihydrobenzo[c][2,7]naphthyrin-4(3H)-one
AUTHOR(S): Prager, Rolf H.; Were, Stephen T.
CORPORATE SOURCE: Org. Chem. Dep., Univ. Adelaide, Adelaide, 5001, Australia
SOURCE: Australian Journal of Chemistry (1983), 36(7), 1441-53
CODEN: AJCHAS; ISSN: 0004-9425
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



AB Dehydroperiolone (I) is obtained in high overall yield by an intramol. cyclization of the benzyne generated from 4-(2-bromophenyl)-N-(3,4-dimethoxyphenyl)-2-oxo-1,2-dihydropyridine-3-carboxamide (II), by use of lithium hexamethyldisilazide. II was prepared in three steps from 2-[1-(2-bromophenyl)ethylidene]malononitrile. I was reduced by NaAl(OCH₂CH₂OMe)₂H₂ to periolone, isolated as its hydrochloride.

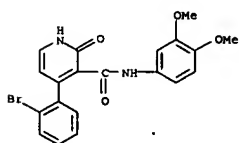
IT 88148-68-9
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and deprotonation of)

RN 88148-68-9 CAPLUS
CN 3-Pyridinecarboxamide, 4-(2-bromophenyl)-N-(3,4-dimethoxyphenyl)-1,2-dihydro-2-oxo- (9CI) (CA INDEX NAME)



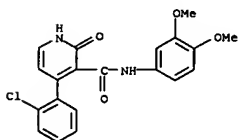
IT 88148-69-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT

L36 ANSWER 49 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
(Reactant or reagent)
(prepn. and intramol. cyclization of, benzonaphthyrine deriv. from)
RN 88148-69-0 CAPLUS
CN 3-Pyridinecarboxamide, 4-(2-bromophenyl)-N-(3,4-dimethoxyphenyl)-1,2-dihydro-2-oxo- (9CI) (CA INDEX NAME)



IT 88148-70-3P
RL: SPN (Synthetic preparation); PREP (Preparation)

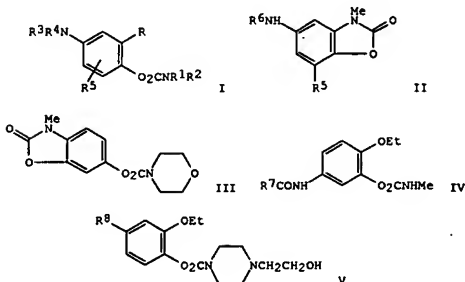
RN 88148-70-3 CAPLUS
CN 3-Pyridinecarboxamide, 4-(2-chlorophenyl)-N-(3,4-dimethoxyphenyl)-1,2-dihydro-2-oxo- (9CI) (CA INDEX NAME)



L36 ANSWER 50 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1982:217485 CAPLUS
DOCUMENT NUMBER: 96:217485
TITLE: Analgesic phenyl carbamates
PATENT ASSIGNEE(S): Kyoto Pharmaceutical Industries, Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 17 pp.
CODEN: JK00AF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 57007459	A2	19820114	JP 1980-80783	19800613
PRIORITY APPLN. INFO.:			JP 1980-80783	A 19800613

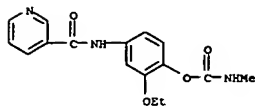
OTHER SOURCE(S): CASREACT 96:217485
GI



AB Ninety-eight Ph carbamates I (R = H, OEt, Me, OCH₂CH₂NMe₂, nicotinoyloxy; NR1R2 = NH₂, NMe₂, morpholino, 4-methyl-1-piperazinyl, etc.; R3R4N = AcNH, MeSO₂NH, Me₂NCH₂CONH, Me₂NCOCH₂NAC, 3-methyl-5-oxoimidazolidin-1-yl, etc.; R5 = H, 3-, 5-, or 6-Me), II (R5 = H, OEt; R6 = Me₂NCH₂CO, MeSO₂, p-isobutyl-α-methylphenylacetyl, HOCH₂CO), III, and IV (R7 = Me, 3-pyridyl), having analgesic activity comparable to aminopyrine and low toxicity in mice, were prepared. Thus, reaction of 2,4-EtO(O₂N)C₆H₃OH in aqueous NaOH with 30% COCl₂ in PhMe at -5 to 0° gave the chloroformate, which was treated with N-(2-hydroxyethyl)piperazine to give V (R8 = NO₂), which was hydrogenated to V (R8 = NH₂), acylation of which with MeSO₂Cl gave I (R = OEt, NR1R2 = 4-(2-hydroxyethyl)-1-piperazinyl, R3R4N = MeSO₂NH, R5 = H).

IT 81934-29-4P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological)

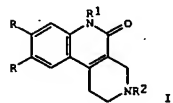
L36 ANSWER 50 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
 BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. and analgesic activity of)
 RN 81934-29-4 CAPLUS
 CN 3-Pyridinecarboxamide, N-[3-ethoxy-4-[[[(methylamino)carbonyl]oxy]phenyl]-
 (9CI) (CA INDEX NAME)



L36 ANSWER 51 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1977:72616 CAPLUS
 DOCUMENT NUMBER: 86:72616
 TITLE: Benzonaphthyridines
 INVENTOR(S): Brown, Richard E.; Puchalski, Chester; Shavel, John,
 Jr.
 PATENT ASSIGNEE(S): Warner-Lambert Co., USA
 SOURCE: U.S., 7 pp.
 CODEN: USXKAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

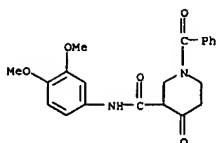
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3991064	A	19761109	US 1975-541912	19750117
PRIORITY APPLN. INFO.:			US 1975-541912	A 19750117

GI

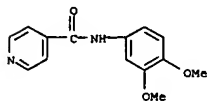


AB Bronchodilating benzonaphthyridinones (I; R = H, MeO; R1 = H, Me, 2-piperidinoethyl; R2 = H, Bz, 2-cyclohexylethyl, 2-piperidinoethyl, Me2NCH2CH2) are prepared by reaction of Ph isocyanates with 1-benzoyl-1,2,3,6-tetrahydro-1-(1-pyrrolidinyl)pyridine (II) and cyclization of the resulting 1-benzoyl-3-(phenylcarbamoyl)-4-piperidinone. Thus, reaction of 47 g (0.262 mole) 3,4-(MeO)2C6H3NCO with 0.262 mole II in CH2Cl2 at room temperature, followed by cyclization of the product in the presence of H2SO4, gives 55 g crude I (R = MeO, R1 = H, R2 = Bz).
 IT 61675-89-6P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and cyclization of)
 RN 61675-89-6 CAPLUS
 CN 3-Piperidinecarboxamide, 1-benzoyl-N-(3,4-dimethoxyphenyl)-4-oxo- (9CI) (CA INDEX NAME)

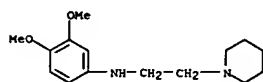
L36 ANSWER 51 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



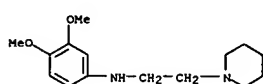
L36 ANSWER 52 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1972:400682 CAPLUS
 DOCUMENT NUMBER: 77:682
 TITLE: Synthesis and pharmacologic activity of substituted amides of pyridinecarboxylic acids
 AUTHOR(S): Chernykh, V. P.; Petyunin, G. P.; Krasnovskaya, E. A.
 CORPORATE SOURCE: Khark. Pharm. Med. Inst., Kharkov, USSR
 SOURCE: Farmatsyevichnyi Zhurnal (Kiev) (1972), 27(1), 16-18
 CODEN: FRZKAP; ISSN: 0367-3057
 DOCUMENT TYPE: Journal
 LANGUAGE: Ukrainian
 AB Among the newly synthesized substituted amides of pyridine-carboxylic acids, N-(3-chlorophenyl)-N-phenylisonicotinic acid amide (I) [34892-23-4] had myorelaxant, sedative-narcotic, and hypothermic effects. The LD50 and LD100 values of I for mice were 550 and 900 mg/kg, resp.; those for rats were 683 and 1000 mg/kg. Hydrochlorides of substituted nicotinic acid amides had a short-lasting hypotensive effect.
 IT 36702-78-0
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (pharmacol. of)
 RN 36702-78-0 CAPLUS
 CN 4-Pyridinecarboxamide, N-(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)



L36 ANSWER 53 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1971:99528 CAPLUS
 DOCUMENT NUMBER: 74:99528
 TITLE: Synthesis of N,N-dialkyl-N'-(dimethoxyphenyl)ethylenediamines
 AUTHOR(S): Dauksas, V.; Kersulis, O.; Kersulienė, L.
 CORPORATE SOURCE: Vil'nyus. Gos. Univ. im. Kapsukas, Vilnius, USSR
 SOURCE: Lietuvos TSR Aukstuju Mokyklų Mokslų Darbai, Chemija ir Chemine Technologija (1970), 11, 201-4
 CODEN: LAMCAJ; ISSN: 0459-3391
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 AB CICH₂CH₂R (R = NEt₂, piperidino, hexamethylenimino, morpholino) reacted with 2,3-, 2,5-, 2,6-, and 3,4-(MeO)₂C₆H₃NH₂ in EtOH containing NaOAc, giving the corresponding (MeO)₂C₆H₃NHCH₂CH₂R in 41-73% yield.
 IT 31126-13-3P 31126-14-4P
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)
 RN 31126-13-3 CAPLUS
 CN Piperidine, 1-[2-(3,4-dimethoxyanilino)ethyl]- (8CI) (CA INDEX NAME)



RN 31126-14-4 CAPLUS
 CN Piperidine, 1-[2-(3,4-dimethoxyanilino)ethyl]-, dihydrochloride (8CI)
 (CA INDEX NAME)



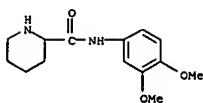
● 2 HCl

L36 ANSWER 54 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1968:459272 CAPLUS
 DOCUMENT NUMBER: 69:59272
 TITLE: Diazahydrindanones and pyridopyrimidinones useful as pharmacological agents
 PATENT ASSIGNEE(S): Hoffmann-La Roche, F., und Co., A.-G.
 SOURCE: Brit., 9 pp.
 CODEN: BROGAA
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

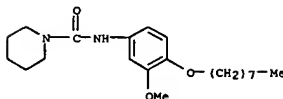
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 1114397		19680522		
FR 1517312			FR	
US 3515725		19700000	US	
PRIORITY APPLN. INFO.:			CH	19660406

GI For diagram(s), see printed CA issue.
 AB The title compds., of the general formulas I and II, where R is a substituted phenyl group, are prepared. The compds. exhibit analgesic, antiphlogistic, inflammation inhibiting, and antiallergic activities when used in salt form. Thus, a solution of 27.7 g. 2-(1-benzyloxycarbonyl-2-piperidyl)acetic acid in 50 ml. dioxane was treated with 16.6 g. m-nitroaniline in 50 ml. dioxane, treated with 24 g. dicyclohexylcarbodiimide in 30 ml. dioxane, kept 18 hrs., worked up, the product, in AcOH, treated, with ice cooling, with 120 ml. 33% HBr, kept 18 hrs., worked up, and the product treated with aqueous NH₃ to give 22.5 g. 2-(2-piperidyl)acetic acid m-nitroanilide, m. 252-3° (as the HCl salt), which was taken up in CH₂Cl₂, washed with water, freed of solvent by distillation, dissolved in 20 ml. MeOH and 100 ml. 38% aqueous HCHO, refluxed 2 hrs., and worked up to give octahydro-2-(m-nitrophenyl)-3H-pyrido[1,2-c]pyrimidin-3-one (I) (R = m-nitrophenyl), m. 237-8° (alc.-ether). Similarly prepared were the following I (R and m.p. of HCl salt given): 4-methoxyphenyl, 197-9°; 3-chlorophenyl, 190-1°, CH₂Ph, 180-1°; 3,4-dichlorophenyl, 210-20°; 4-nitrophenyl, 228-9°; 2-nitrophenyl, 223-4°; 2-(methoxycarbonyl)phenyl, 193-4°; 2-chlorophenyl, 234-5°; 4-chloro-3-nitrophenyl, 219-20°; 4-chloro-2-nitrophenyl, 209-10°; 2,5-dichlorophenyl, 227-8°; 4-fluorophenyl, and 219-20°; 4-(acetamidophenyl), 231-2°. The following II were prepared (R and m.p. HCl salt given): m-trifluoromethylphenyl, m. 145-6°; 4-methoxyphenyl, 126°; 3,4-dimethoxyphenyl, 215-16°; 4-hydroxyphenyl, 232-3°; 4-fluorophenyl, 202-3°; 4-chlorophenyl, 179-80°; 4-nitrophenyl, 200°; 3-nitrophenyl, 189-90°; 2-(methoxycarbonyl)phenyl, 200° (HBr salt); and CH₂CH₂NEt₂, 178° (2HBr salt).
 IT 19612-32-9P
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)
 RN 19612-32-9 CAPLUS
 CN Pipicolanilide, 3',4'-dimethoxy- (8CI) (CA INDEX NAME)

L36 ANSWER 54 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



L36 ANSWER 55 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1968:39300 CAPLUS
 DOCUMENT NUMBER: 68:39300
 TITLE: Chemotherapy of schistosomiasis. IX. p-Dialkylaminoacylamidophenyl ethers
 AUTHOR(S): Collins, Raymond Frederick; Davis, Michael
 CORPORATE SOURCE: Res. Labs., May Baker Ltd., Dagenham, UK
 SOURCE: Journal of the Chemical Society [Section] C: Organic (1968), (1), 61-3
 CODEN: JSOQAX; ISSN: 0022-4952
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 68:39300
 AB Some p-aminophenyl ethers were converted into dialkylureido-, dialkylaminoacetamido-, and dialkylaminopropionamido-derivs. for study as schistosomicides.
 IT 17640-98-1P
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)
 RN 17640-98-1 CAPLUS
 CN 1-Piperidinecarbox-m-aniside, 4'-(octyloxy)- (8CI) (CA INDEX NAME)



L36 ANSWER 56 OF 58 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
ACCESSION NUMBER: 1959:99837 CAPLUS
DOCUMENT NUMBER: 33:99837
ORIGINAL REFERENCE NO.: 53-18023d-1, 18024a-1, 18025a-1, 18026a-d
TITLE: Derivatives of 3,4-xylylidine and related compounds as inhibitors of influenza virus: relationships between chemical structure and biological activity
AUTHOR(S): Clark, R. J.; Isaacs, A.; Walker, J.
CORPORATE SOURCE: Natl. Inst. Med. Research, London
SOURCE: British Journal of Pharmacology and Chemotherapy (1958), 13, 424-35
CODEN: BJPCAL; ISSN: 0366-0826
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB A series of compds., based primarily on 3,4-xylylidine (I), was examined for inhibitory activity towards growth of influenza virus in tissue culture. Marked dependence of inhibitory activity upon chemical structure was observed, particularly when the 3,4-xylyl group was replaced by other simple aryl radicals. N-(2-Piperidinoethyl)-3,4-xylylidine-2HCl (II), a typical compound combining high intrinsic inhibitory activity with no obvious toxicity towards the host tissues, did not inactivate the virus directly before its adsorption, did not interfere with adsorption of virus by the tissues, and did not inhibit the release of freshly synthesized virus by the tissues, but specifically depressed synthesis of viral haemagglutinin to a greater extent than it depressed the synthesis of complement-fixing soluble antigen. Inhibition of influenza virus growth caused by II in tissue culture was reversed by appropriate addition of 4,5-dimethyl-o-phenylenediamine, but not apparently by riboflavin or by vitamin B12. Action of II and, by inference, of related compds., in inhibiting viral synthesis may be the result of depressed cytoplasmic protein synthesis. Prepared by refluxing ArNH2 with ClCH2COCl or MeCHIClCOCl in C6H6 for 2 hrs. are: α -chloro-6-nitroaceto-3,4-xylylidine (III), 88%, yellow needles, m. 150° (C6H6); α -chloro-3,4-dimethoxyaceto-3,4-xylylidine (81), needles, m. 133-5° (aqueous EtOH); α -chloropropiono-3,4-xylylidine (88), needles, m. 139-40° (aqueous EtOH). Alternatively, carrying out the condensation in cold glacial HOAc containing NaOAc yields: α ,3,4-trichloroaceto-3,4-xylylidine (89), needles, m. 105-7° (aqueous EtOH); α -chloro-N-diphenyl-2-ylacetamide, 92%, rods, m. 98-100° (aqueous EtOH); α -chloro-N-diphenyl-4-ylacetamide (80), plates, m. 176-8° (MeOH); α ,5-dichloroaceto-3,4-xylylidine (82), plates, m. 128-30° (aqueous EtOH). α -Aminoacylarylamides are prepared by heating the corresponding α -halo compds. with 2 mole equivs. amine 5 hrs. in C6H6, filtering off the precipitated amine HCl salt, evaporating the filtrate to dryness, dissolving the residue in 3N HCl, filtering, washing with Et2O, basifying with NH3, and filtering or extracting with Et2O the precipitated base: hydrochlorides are prepared by treating acetone solns. of the bases with anhydrous HCl. Thus, III gives 93% 6-nitro- α -piperidinoaceto-3,4-xylylidine (IV), yellow needles, m. 272-3° (PrOH). Hydrogenation of 8.1 g. IV in 200 ml. EtOH containing Raney Ni at room temperature and atmospheric pressure gives 72% 6-amino- α -piperidinoaceto-3,4-xylylidine; di-HCl salt, plates, m. 272-5° (MeOH-EtOAc). α -Chloroaceto-3,4-xylylidine (V) (3.44 g.) and 8.8 g. benzoyloxycarbonylpiperazine give 5.35 g. α -(benzyloxycarbonyl-1-

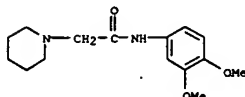
L36 ANSWER 56 OF 58 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
oxide, and 40 ml. EtOH (in which 0.23 g. Na had been dissolved) in a sealed tube 4 hrs. at 80° gives 14.8 g. 2-(3,4-xylyloxy)ethanol, b1.5 130-4°, n20D 1.5331, 8.3 g. of which is refluxed 2 hrs. with 4.0 g. C5H5Mn and 6.5 g. SOCl2 in dry CHCl3 to give 7.25 g. 2-(3,4-xylyloxy)ethyl 2-chloride, b0.14 90-2°, n20D 1.5329, 0.92 g. of which is heated 4 hrs. at 140° with 0.85 g. piperidine to give 1.0 g. N-[2-(3,4-xylyloxy)ethyl]piperidine-HCl (XXXI), plates, m. 182-4° (MeOH-EtOAc). Refluxing 9.2 g. XXXI, 45.5 g. Br(CH2)3Br, and 38 ml. EtOH (in which 1.73 g. Na had been dissolved) 4 hrs. gives 9.9 g. 1-bromo-3-(3,4-xylyloxy)propane, b0.17 94°, n19D 1.5425, 2.43 g. of which is refluxed 2 hrs. with 1.7 g. piperidine in 15 ml. PhMe to give 1.3 g. N-[3-(3,4-xylyloxy)propyl]piperidine-HCl (XXXII), plates, m. 170-2° (EtOH-Et2O). Refluxing 12.3 g. XXXI with 13.9 g. epichlorohydrin gives 9.54 g. glycidyl 3,4-xylyl ether, b1.3 122-7°, n20D 1.5284, 1.2 g. of which, by refluxing 5 hrs. with 0.62 g. piperidine, is converted to 1.65 g. 1-piperidino-3-(3,4-xylyloxy)-2-propanol, plates, m. 75-7° (aq. EtOH); HCl salt (XXXIII), needles, m. 171-3° (MeOH-EtOAc). 3,4-Dimethylacetophenone (XXXIII) (3.7 g.) refluxed 15 hrs. with 1.2 g. S and 3.2 g. piperidine gives 2.5 g. 3,4-xylylthioacetopiperidine, rods, m. 83-5° (PrOH), 1 g. of which is refluxed 5 hrs. with 3 g. Raney Ni in 20 ml. EtOH and the product converted to 0.48 g. N-[2-(3,4-xylyl)ethyl]piperidine-HCl (XXXIV), plates, m. 261-3° (PrOH). I (24.2 g.) in 40 ml. concd. HCl is treated at below 5° with 13.8 g. NaNO2 in 180 ml. H2O, then with a hot soln. of 47.4 g. NaCl2 and 49 g. NaCN in 330 ml. H2O to give 19.5 g. 3,4-Me2C6H3CN (XXXV), b20 116-18°. XXXV (26.2 g.) in 100 ml. Et2O and 20 ml. CHCl3 is added to 36.9 g. SnCl2 in 250 ml. Et2O satd. with anhyd. HCl to give 15.8 g. 3,4-Me2C6H3CHO, b0.8 68°, 8.0 g. of which is heated on steam with 6.24 g. CH2(CO2H)2 and 1.4 g. C5H5Mn until CO2 ceases being evolved to give 7.6 g. 3,4-Me2C6H3CH:CHCO2H, 5.7 g. of which is converted to the Me ester with CH2N2, which is hydrogenated in MeOH contg. Pd on SrCO3 at room temp. and atm. pressure and the product sapon. to 4.7 g. 3,4-Me2C6H3CH2CH2CO2H, needles (aq. EtOH), m. 82-4°. This acid (4 g.), treated with SOCl2 in CHCl3, gives the corresponding acid chloride, heated with 4.2 g. piperidine in 20 ml. C6H6 to give 5.1 g. 3-(3,4-xylyl)propionolactamide, sublimed at 100-150° and 1.5 mm., m. 35-7°. 4.4 g. of which is reduced with 1.4 g. LiAlH4 in 40 ml. tetrahydrofuran and the product converted to 3.3 g. N-[3-(3,4-xylyl)propyl]piperidine HCl (XXXVI), plates, m. 193-5° (EtOH-Et2O). XXXV (12.6 g.) in 25 ml. CHCl3 and 10 ml. EtOH satd. with anhyd. HCl at 0° kept 3 days at 2°, freed of volatiles, and the residue treated 5 days at 37° with EtOH satd. with NH3 at 0° gives 13.6 g. 3,4-dimethylbenzamidine-HCl (XXXVII), plates, m. 195-6° (MeOH-EtOAc). Friedel-Crafts reaction of 10.6 g. α -Me2C6H4 with 10 g. succinic anhydride in PhNO2 yields 14.8 g. α -Me2C6H4 with 10 g. succinic anhydride, m. 129-31° (aq. HOAc), Clemmensen reduction of 14.4 g. of which gives 6.7 g. 3,4-Me2C6H4(CH2)3CO2H, b0.04 126°. This acid (5.7 g.) is converted in 28% over-all yield via the acid chloride and the piperidine to N-[4-(3,4-xylyl)butyl]-piperidine-HCl (XXXVIII), plates, m. 174-6° (C6H6). Heating 1.8 g. 3,4-Me2C6H3COCH2Cl with 1.7 g. piperidine in 10 ml. C6H6 5 hrs. at 100° gives 0.82 g. piperidinomethyl 3,4-xylyl ketone HCl salt (XXXIX), needles, m. 177-9° (EtOH-Et2O). Reaction of 1.5 g. XXXIX with piperidine-HCl and HCHO gives 1.1 g. 2-piperidinoethyl 3,4-xylyl ketone HCl salt (XL), plates, m. 182-4° (MeOH-EtOAc). Refluxing 4.7 g. 3,4-xylyldicyandiamide, 1.6 g. piperidine, and 1.25 g. CuSO4.5H2O hrs. in 4 ml. EtOCH2CH2OH and 4.5 ml. H2O gives a purple-brown complex;

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piperazinyl)aceto-3,4-xylylidine, m. 177-80°, hydrogenated over 51 Pd on C in EtOH at room temp. and atm. pressure to α -1-piperidinylaceto-3,4-xylylidine (318), HCl salt (VII), needles, m. 242-5° (MeOH-EtOAc). V (19.8 g.) and 500 ml. EtOH satd. at 0° with NH3 gives 87% glycidyl-3,4-xylylidine (VII) (and 3.18 g. corresponding secondary amine), needles, m. 97-9° (aq. EtOH); HCl salt, needles, m. 259-61° (MeOH-EtOAc). VII (3.6 g.) and ClCH2COCl in glacial HOAc give 2.9 g. (N- α -chloroacetyl)glycidyl-3,4-xylylidine, needles, m. 190-2° (aq. EtOH), 1.3 g. of which is condensed with 0.85 g. piperidine to give 0.22 g. (N- α -piperidinoacetyl)glycidyl-3,4-xylylidine, m. 198-200°; HCl salt (VIII), needles, m. 237-9° (MeOH-EtOAc). Boiling α -haloacylamides with 1.1 equivs. C5H5Mn in EtOH 4 hrs., freeing the mixt. of solvent, and recryst. the residue from MeOH-EtOAc yields 1-arylcarbamoylmethylpyridinium chlorides (aryl group, m.p., and 1 yield given): o-tolyl, 190-2°, 66; m-tolyl, 218-20°, 76; p-tolyl (IX), 245-7°, 67; 2,3-xylyl, 197-9°, 43; 2,4-xylyl (X), 165-7°, 52; 2,5-xylyl, 184-6°, 64; 2,6-xylyl, 197-9°, 50; 3,4-xylyl (XI), 236-8°, 75; 3,5-xylyl, 164-6°, 35; 2,4,5-mesityl, 190-2°, 81; 3,4-dimethoxyphenyl, 201-3°, 60; 4-biphenyl (XII), 242-4°, 86; m-chlorophenyl (XIII), 256-8°, 76; p-chlorophenyl (XIV), 230-2°, 62; 3,4-dichlorophenyl (XV), 282-4°, 62; 5-chloro-o-tolyl (XVI), 214-16°, 49; p-bromophenyl (XVII), 235-7°, 61; p-iodophenyl (XVIII), 248-50°, 71 [picrate, yellow needles, m. 216-18° (Me2NCHO-Et2O)]. Similarly, V and γ -picoline give 68% 4-methyl-1-(3,4-xylylcarbamoylmethyl)pyridinium chloride (XIX), m. 219-22°; nicotinamide yields 86% 3-carbamoyl-1-(3,4-xylylcarbamoylmethyl)pyridinium chloride, m. 275-7° (aq. EtOH). Other quaternary salts are prep. by heating tertiary amines with MeI in MeOH for 2 hrs.; thus, α -piperidinoaceto-3,5-xylylidine (prep. in 72% yield, needles from aq. EtOH, m. 87-9°; HCl salt m. 216-18°) gives 1-methyl-1-(3,4-xylylcarbamoylmethyl)pyridinium iodide (70%), plates (MeOH-EtOAc), m. 177-80°; 3,4-dimethoxy- α -piperidinoacetanilide (prep. in 88% yield, plates from aq. EtOH, m. 78-9°; HCl salt m. 183-5°) is converted to 1-methyl-1-(3,4-dimethoxyphenylcarbamoylmethyl)piperidinium iodide (85%), plates (MeOH-EtOAc), m. 176°; 2-amino-4-chloro- α -piperidinoacetanilide (HCl salt (XX)) gives 71% 1-methyl-1-(2-amino-4-chlorophenylcarbamoylmethyl)piperidinium iodide, needles (aq. EtOH), m. 205-7°. Heating α -diallylaminoaceto-3,4-xylylidine (HCl salt (XXI), plates, m. 133-6° (C6H6), yield 63%) with CH2:CHCH2Br in a sealed tube for 5 hrs. gives 59% triallyl-1-(3,4-xylylcarbamoylmethyl)ammonium bromide (XXII), needles, m. 150-2° (EtOH-Et2O). Refluxing 2.46 g. α -piperidinoaceto-3,4-xylylidine (prep. in 85% yield, needles (aq. EtOH), m. 71-3°; HCl salt (XXIII), m. 189-91°) 4 hrs. with LiAlH4 in tetrahydrofuran and treating the product (in acetone) with anhyd. HCl gives 2.30 g. II, needles, m. 176-8° (MeOH-EtOAc). α -1-Pyrrolidinylaceto-3,4-xylylidine [prep. in 78% yield as the HCl salt (XXIV) needles, m. 200-3° (MeOH-EtOAc)] is similarly converted (yield 21%) to N-[2-(1-pyrrolidinyl)ethyl]-3,4-xylylidine-2HCl (XXV), plates, m. 172-6° (EtOH-Et2O). α -Piperidinoaceto-3,4-xylylidine (obtained in 72% yield, needles, m. 78-80° (aq. EtOH); HCl salt (XXVI), m. 178-81°) is reduced (LiAlH4 in Bu2O, 8 hrs.) and the product treated with HCl to give N-(2-piperidinopropyl)-3,4-xylylidine-2HCl (XXVII), yield 64%, plates, m. 180-2° (MeOH-EtOAc). Refluxing 12.1 g. I with 17.8 g. 3-piperidinopropyl chloride in 60 ml. EtOH 60 hrs. gives 18 g. N-(3-piperidinopropyl)-3,4-xylylidine HCl salt (XXVIII), needles, m. 222-4° (EtOH). Heating 12.2 g. 3,4-xylenol (XXIX), 5.5 g. ethylene

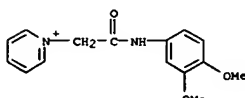
L36 ANSWER 56 OF 58 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
the mixt. is dild. with 60 ml. H2O, the aq. phase decanted, the residue extd. with N HCl, the ext. treated with concd. aq. Na2S and C, filtered, and treated with aq. NaOH to ppt. 2.4 g.
N1,N1-cyclopentamethylene-N5-3,4-xylylbiquanide, rods, m. 147-50° (aq. EtOH); HCl salt (XLI) needles (MeOH-EtOAc), m. 233-5°. Similarly, pyrridine gives the cyclooctamethylene analog HCl salt (XLII), needles, m. 243-4° (MeOH-EtOAc). Refluxing 2.1 g. 3-piperidinopropylamine-2HCl and 1.3 g. 3-thioxyanato-2-butanone 6 hrs. in 2.5 ml. H2O and treating the oily product (in acetone) with HCl gives 1.73 g. 4,5-dimethyl-2-(3-piperidinopropylamino)thiazole-2HCl (XLIII), needles, m. 234-6° (EtOH-Et2O). Prep. by methods described above are α -piperidinoacetanilide (54%), m. 97-8° [hydrochloride (XLIV) m. 181-3°]; α -piperidinoacetobenzamide, m. 43-6° [hydrochloride (XLV) (66%), m. 148-50°]; α -piperidinoaceto- α -toluidide (77%), m. 95-8° (HCl salt m. 168-71°); α -piperidinoaceto-m-toluidide-HCl (XLVI) (65%), m. 185-7°; α -piperidinoaceto-p-toluidide (85%), m. 65-7° (HCl salt (XLVII) m. 212-14°); α -piperidinoaceto-2,3-xylylidine (84%), m. 73-5° (HCl salt (XLVIII) m. 221-3°); α -piperidinoaceto-2,4-xylylidine (77%), m. 86-8° (HCl salt m. 217-19°); α -piperidinoaceto-2,5-xylylidine (83%), m. 95-5° [hydrochloride (XLIX) m. 185-7°]; α -piperidinoaceto-2,6-xylylidine (79%), m. 112-14° (HCl salt m. 183-5°); 2,4,5-trimethyl- α -piperidinoacetanilide-HCl (L) (84%), m. 246-8°; 2,4,6-trimethyl- α -piperidinoacetanilide (94%), m. 104-6° [HCl salt (LI) m. 195-6°]; α -piperidino-N-(2-biphenyl)acetamide (92%), m. 134-5° (HCl salt (LII) m. 169-70°); α -piperidino-N-(4-biphenyl)acetamide (93%), m. 108-10° [HCl salt (LIV)] p-chloro- α -piperidinoacetanilide (85%), m. 86-8° (HCl salt (LV) m. 220-2°); 3,4-dichloro- α -piperidinoacetanilide (58%), m. 74-6° [HCl salt (LVI) m. 196-8°]; 5-chloro- α -piperidinoaceto- α -toluidide-HCl (LVII) (87%), m. 235-7°; p-bromo- α -piperidinoacetanilide (67%), m. 85-8° [HCl salt (LVIII) m. 229-31°]; p-iodo- α -piperidinoacetanilide HCl salt (LIX) (87%), m. 218-20°; 4-chloro-2-nitro- α -piperidinoacetanilide-HCl (LX), m. 230-2°; α -piperidino-p-sulfamoylacetanilide (90%), m. 196-8° (HCl salt m. 268-70°); α -morpholinoaceto-3,4-xylylidine (52%), m. 83-5° (HCl salt m. 222-4°); α -1-pyrrolidinylpropiono-3,4-xylylidine (LXI) (78%), m. 225-7°; 3,4-dimethoxy- α -piperidinoacetonamide-HCl (78%), m. 197-9°; α -dimethylaminoaceto-3,4-xylylidine (HCl (78%), m. 166-8°; α -diethylaminoaceto-3,4-xylylidine-HCl (LXII) (72%), m. 165-7°; α -dipropylaminoaceto-3,4-xylylidine-HCl (LXIII) (82%), m. 154-6°; α -dibutylaminoaceto-3,4-xylylidine-HCl (LXIV) (31%), m. 155-7°. Tested at a concn. of 0.1 mg./ml., substances were rated inactive for yield of virus 250% of control, activity 1 (25-50%), 2 (12.5-25%), 3 (6.25-12.5%), or 4 (<6.25%). Thus, rated at activity 4 (some, designated t, are toxic) are II, VI, XI, XII t, XV t, XXVII, XXII, XXIV, XXV, XXVI, XXVII t, XXVIII t, XXXI, XXXIV t, XXXV t, XXXVIII t, XL t, XLI t, XLII t, XLV, XLVII, LIX, and LXI. Substances with activity 3 are XIII, XVI, XVII, XIX, XXIII, XLVI, and LXII. Those with activity 2 are XXXIX, XLV, XLVII, XLIX, LXII, and LXIII.
VIII, IX, X, XIV, XX t, XXII, XLIII, XLIV, XLVIII, L, LI, and LV have activity 1. Compds. with properties incompatible with the assay procedure are LIII, LIV, LX, and LXIV. By the same test, N1-3,4-xylylbiquanide-HCl (slightly toxic), 3,4-xylylguanidine nitrate (t), 3,4-dimethylbenzamidine-

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HCl (t), and
N'-2-diethylaminoethyl-N',N'-cyclopentamethylenesulfanilamide-
HCl are also rated 4. N1-2,5-Xylylbiquanide-HCl and
N1,N1-diethyl-N4-(2-
diethylaminoethyl)sulfanilamide-HCl are rated 2.
IT 101354-57-B, 1-Piperidineacetanilide, 3',4'-dimethoxy-
112071-25-7, Pyridinium, 1-[[[(3,4-dimethoxyphenyl)carbamoyl]methyl
]-, chloride 114381-98-5, Piperidinium, 1-[[[(3,4-
dimethoxyphenyl)carbamoyl]methyl]-1-methyl-, iodide 131975-87-6,
1-Piperidineacetanilide, 3',4'-dimethoxy- α -methyl-, hydrochloride
132493-84-6, 1-Piperidineacetanilide, 3',4'-dimethoxy-,
hydrochloride
(preparation of)
RN 101354-57-8 CAPLUS
CN 1-Piperidineacetanilide, 3',4'-dimethoxy- (6CI) (CA INDEX NAME)



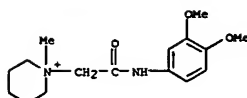
RN 112071-25-7 CAPLUS
CN 1-[[[(3,4-Dimethoxyphenyl)carbamoyl]methyl]pyridinium chloride (6CI) (CA INDEX NAME)



● Cl⁻

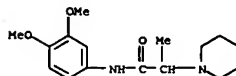
RN 114381-98-5 CAPLUS
CN 1-[[[(3,4-Dimethoxyphenyl)carbamoyl]methyl]-1-methylpiperidinium iodide (6CI) (CA INDEX NAME)

L36 ANSWER 56 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



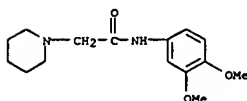
● I⁻

RN 131975-87-6 CAPLUS
CN 1-Piperidineacetanilide, 3',4'-dimethoxy- α -methyl-, hydrochloride (6CI) (CA INDEX NAME)



● HCl

RN 132493-84-6 CAPLUS
CN 1-Piperidineacetanilide, 3',4'-dimethoxy-, hydrochloride (6CI) (CA INDEX NAME)

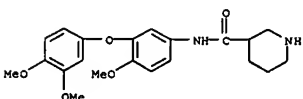


● HCl

L36 ANSWER 57 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1932:16071 CAPLUS
DOCUMENT NUMBER: 26:16071
ORIGINAL REFERENCE NO.: 26:1714f-h
TITLE: Reduction products of nicotinic acid derivatives
PATENT ASSIGNEE(S): Soc. anon. pour l'ind. chim. a Bale
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

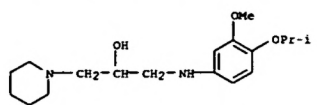
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 539178		19290714	DE	
AB				
New compds. of therapeutic value are prepared by hydrogenating nicotinic acid amide derivs. in which at least one H atom of the amide group is substituted by an aryl or aralkyl residue, or in which the N atom of the amide group forms part of a heterocyclic ring. Hydrogenation may be effected with Na and alc., or with H in the presence of a catalyst. Examples are given of the preparation of Et nipecotyl-p-aminobenzoate, m. 160.5°; nipecotyltetrahydroquinoline; nipecotyl- β -phenylethylamide, m. about 100°; nipecotyl-ac-tetrahydro- β -naphthylamide, m. 132°; nipecotyltetrahydroquinolinaldine; nipecotyltetrahydro-6-ethoxyquinoline; nipecotyl-4-phenoxyanilide, m. 114.5°; nipecotyl-3',4'-dimethoxy-3-phenoxy-4-methoxyanilide, m. 82.4°.				
IT 856212-12-9				
(preparation of)				
RN 856212-12-9				
CN				
Nipecotanilide, 3'-(3,4-dimethoxyphenoxy)-4'-methoxy- (3CI) (CA INDEX NAME)				



L36 ANSWER 58 OF 58 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1930:31064 CAPLUS
DOCUMENT NUMBER: 24:31064
ORIGINAL REFERENCE NO.: 24:3327a-d
TITLE: Aminoalkylamino derivatives of aromatic aminohydroxy or polyamino compounds
INVENTOR(S): Schulemann, Werner; Kropp, Walter
PATENT ASSIGNEE(S): Winthrop Chemical Co.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 1757394		19300506	US	
AB				
Compds. generally in the nature of viscous oils, forming readily soluble hydrochlorides and suitable for therapeutic purposes in combating blood parasites are obtained by heating aromatic aminohydroxy or polyamino compds. of the benzene or naphthalene series with a haloalkylaminodialkyl compound (suitably in the presence of an acid-binding agent and a solvent or diluent) or by causing aromatic aminohydroxy or polyamino compds. of the benzene or naphthalene series to be acted on by ethylene oxide or a halogenated alc. and converting the hydroxyalkylamino deriva. thus obtained into the dialkylaminoalkyl compds. Numerous details and examples are given, including the production of: 3-hydroxy-1-(diethylaminoethylamino)benzene, b1.5 171°; 3-hydroxy-1-[(diethylaminoethyl)ethylamino]benzene, m. 50° and b2 175°; 1-hydroxy-3-[(diethylaminoethyl)methylamino]benzene, b0.5 151°; 1-(diethylaminoethylamino)-3,4-dihydroxybenzene, b2 185°; 1-amino-3-(diethylaminoethylamino)benzene b1 158°; 4-amino-(diethylaminoethyl)methylamino]benzene, b3 161-3°; 1-amino-4-dimethylamino-2-methylthiophenol, b3 135°; 3-methoxy-4-isopropoxy-1-N-(α -piperidyl- β -hydroxy- γ -propyl)aminobenzene, prepared by heating 3-methoxy-4-isopropoxy-1-aminobenzene (m. 68-69°), with epichlorohydrin and piperidine, m. 92.4° and b5 225-30°; 3-methoxy-4-isopropoxy-1-(β -diethylaminoethylmercaptoethylamino)benzene, prepared by treating 3-methoxy-4-isopropoxy-1-aminobenzene with (C2H5)2NCH2CH2SCH2CH2C1 (hydrochloride), is a viscous oil, b5 225-7°; 3-methoxy-4-isopropoxy-1-(β -diethylaminoethoxyethylamino)benzene, b1.5 186-8°, is obtained by heating 3-methoxy-4-isopropoxy-1-aminobenzene with the hydrochloride of (C2H5)2NCH2CH2OCH2CH2C1 (b5 72-3°); 3-methoxy-4-isopropoxy-1-N-(β -dimethylamino- β -ethoxyisopropylamino)benzene, b1 166-8°, obtained by treating 3-methoxy-4-isopropoxy-1-aminobenzene with the hydrochloride of (CH3)2NCH2CH2C1 (b5 69-70°); 3-methoxy-4-isopropoxy-1-(1'-dimethylamino-2'-cyclohexylamino)benzene, b2 173-5° formed by heating of 3-methoxy-4-isopropoxy-1-aminobenzene with 1-chloro-2'-dimethylaminocyclohexane (b10 77-9°).				
IT 858444-50-5				
(preparation of)				
RN 858444-50-5				
CN				
1-Piperidineethanol, α -[(4-isopropoxy-m-anisylamino)methyl]- (3CI) (CA INDEX NAME)				



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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

287.42

1380.46

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-42.34

-96.36

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